

Miss Palmer

The
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

APRIL 14 1962

Powerful new campaign for **Optrex** eye lotion



Also Optrex Eye Compresses



and Optone Eye Drops



STOCK & DISPLAY NOW

Sold through chemists only

Whether your requirements are large or small, we can supply all grades, any quantity, promptly and at competitive prices

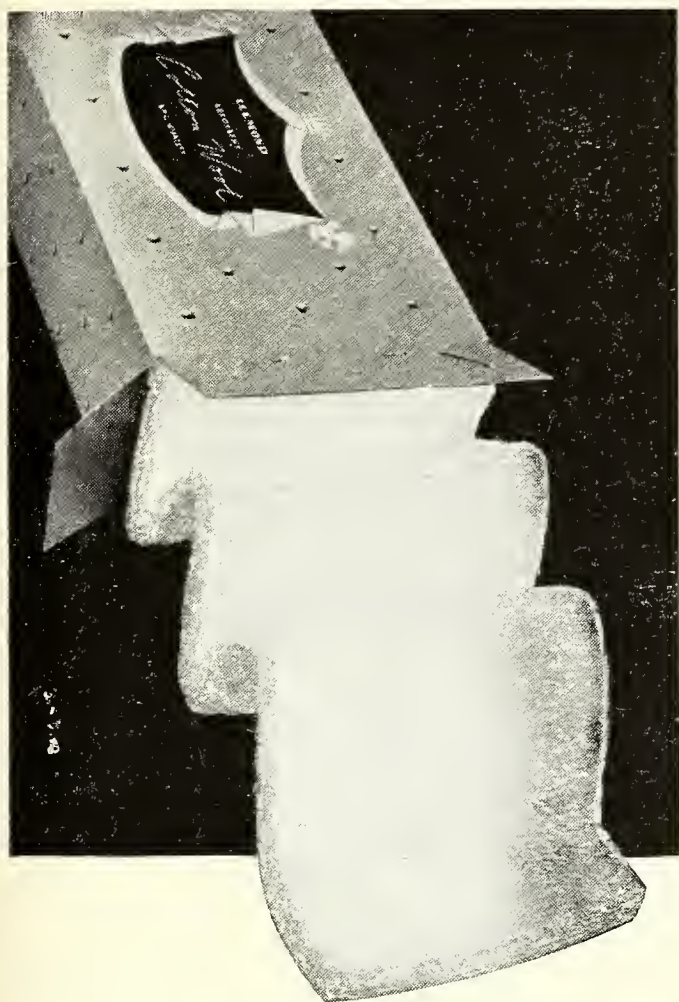
ETHER TECHNICAL B.S.S. 579
ETHER SOLVENT B.P.
ETHER ANHYDROUS
ETHER ANÆSTHETIC B.P.
ETHER A.R.



DIETHYL ETHER

MACFARLAN SMITH LTD
WHEATFIELD ROAD EDINBURGH 11

Edinburgh DONaldson 2434
London MAYfair 2355



E. ILLINGWORTH & CO. (Bradford) Ltd.

COTTON WOOLS

ILLMOND—COTTON WOOL DISPENSER PACK

Package has tuck-in ends and can be re-sealed. Hygiene ensured. Elegant design of pack makes it perfect for a lady's dressing table. Only as much as is needed is pulled out at a time.

B.P.C. quality cotton wools, Hospital quality cotton wool (Drug Tariff). Sterilised and Unsterilised in all weights, for Home and Export.

Quantities labelled with your own labels from $\frac{1}{2}$ oz. to 16 oz, standard packets.

Bottle neck wool, filter pads, gauze and cotton tissue B.P.C. Quality. Respirator refills.

PACKING MATERIALS

NEEDLELOOM FELTS

for thermal, sound and vibration insulation and protection.

COTTON WOOLS

Bleached and Unbleached Rolls from 2 in. to 40 in. wide, weights 3 oz. per sq. yd. upwards.

Sized Waddings.
Cut Sizes or Rolls.

E. ILLINGWORTH & CO. (Bradford) Ltd.

SHELF MILLS, SHELF, NR. HALIFAX, YORKS.

Tel: BRADFORD 76261/9 Grams: "ILLMOND BRADFORD"



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 177

April 14, 1962

No. 4287

CONTENTS

A Homœopathic Centenary	399
Branch Discussions on "the Report"	406
Budget Proposals	390
Candidates for Election to the Council	397
Correspondence	398
Council's Views on Branch Resolutions	400
Figures in the Pharmaceutical World	405
Largest Mural in Australia	408
Leading Articles:	
Small Comfort for Exporters	401
Traders' Views on Decimal Coinage	401
Perfumery as a Teaching Subject	403
Pharmaceutical Society of Great Britain:	
Council Meeting	402
Symposium on Clinical Trials	407
Topical Reflections	391
100 Years Ago	401
Branch Events	397
Business Changes	395
Coming Events	413
Commercial Television	413
Company News	394
Contemporary Themes	414
Deaths	395
Expansion Plans	392
In Parliament	394
Irish News	390
Manufacturers' Activities	392
Marriages	395
New Products	393
News in Brief	391
News of the Week	389
Patents	414
Personalities	395
Print and Publicity	413
Trade Marks	414
Trade Notes	392
Trade Report	411

Index to Advertisers, p. 5. Classified Advertisements, p. 59. Cumulative price list (home copies only): loose supplement.

PUBLISHED BY

MORGAN BROTHERS (PUBLISHERS), LTD.,
at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

MEMBER OF THE AUDIT BUREAU OF CIRCULATIONS

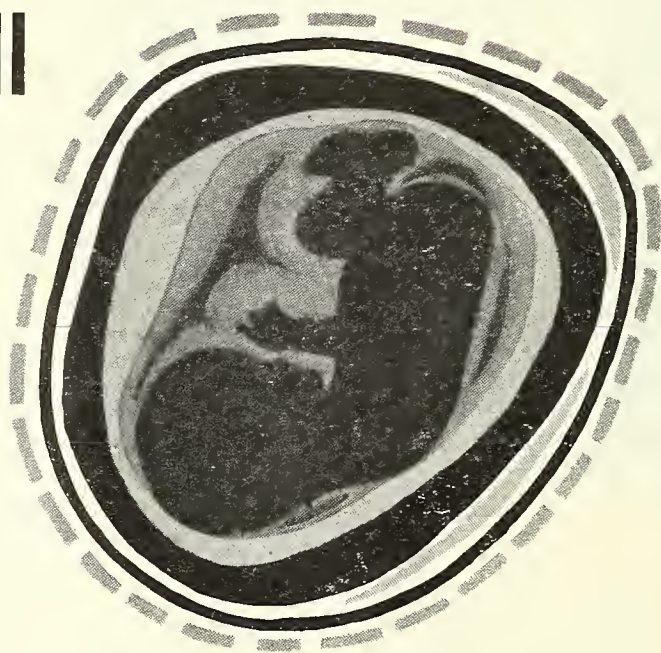
MORGAN BROTHERS (PUBLISHERS), LTD. 1962

GLASGOW: 160 Nether Auldhouse Road, S.3. Phone: Langside 2679.
LEEDS, 16: 32 Wynford Rise, West Park. Phone: Leeds 67 8438.
WOLVERHAMPTON: 89 Woodland Avenue, Tettenhall Wood.
Phone: Wolverhampton 52301.

ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £2 10s. Single copies one shilling each (postage 5d.).

Iron therapy with full vitamin support



PREGNAVITE FORTE

One factor which has contributed to the encouraging decrease of infant and maternal mortality and morbidity in civilised countries is the development of modern nutritional knowledge. A preparation which has contributed to healthier and safer maternity in this country is PREGNAVITE FORTE. This comprehensive vitamin-mineral supplement is specifically formulated to fulfil the increased daily requirements of the pregnant and lactating woman.

Packs of 60 tablets

FORMULA 2 tablets, one of each colour, three times a day provide:

Vitamin A	5,000 i.u.
Vitamin D ₂	500 i.u.
Vitamin B ₁ , B.P.	1.5 mg.
Riboflavine B.P.	1.5 mg.
Pyridoxine Hydrochloride B.P.C. . .	1.0 mg.
Vitamin C, B.P.	40 mg.
Nicotinamide B.P.	15 mg.
Ferr, sulph, exsicc. B.P.	204 mg.
Calcium and phosphorus equivalent to	480 mg. calc. phosphorus B.P.C.



VITAMINS LIMITED · UPPER MALL · LONDON · W6

The CHEMIST AND DRUGGIST

Volume 177

APRIL 14, 1962

No. 4287

The Society and N.H.S

DEMAND FOR SPECIAL MEETING SUCCEEDS

THE Council of the Pharmaceutical Society of Great Britain announces that a special general meeting of members of the Society is being held at the Grand hotel, Colmore Row, Birmingham, 3, at 2.30 p.m. on April 29.

The business of the meeting is to be to discuss generally the powers and policy of the Society in promoting the interests of members, and in particular its position in relation to the National Health Service. The meeting has been arranged, in accordance with the by-laws of the Society, at the request of members. At a meeting of the Council of the Society on December 5 and 6, 1961 (see *C. & D.*, December 23, 1961, p. 676) it was reported that fifty-seven members of the Coventry Branch of the National Pharmaceutical Union had requested an extraordinary general meeting "in view of the position in which professional pharmacy finds itself as a result of the action of the Ministry of Health." Another resolution submitted by the Sunderland Branch of the Society, to which the signatures of forty-eight members were appended, begged "the Pharmaceutical Society to get legal advice to become the sole negotiating body with the Minister of Health, or to be given representation on the existing National Health Service Committee."

Economic Survey

N.H.S. LEVY AFFECTS LIVING INDEX

THE increase in the National Health Service prescription charges which took effect from March 1961, together with the imposition of the 10 per cent. surcharge on the main customs and excise duties in July 1961, were responsible for about one-third of the 5½ per cent. rise that occurred in the "non-food" prices in the United Kingdom in the fourth quarter of 1961 compared with the fourth quarter of 1960. The Government's Economic Survey, 1962 (H.M. Stationery Office, price 3s. 6d.), which gave that information, also mentions that the retail price index rose by about 4½ per cent. in the same period. Discussing economic prospects of the country in 1962 the survey states that opportunities for U.K. exports are good "but they will be missed if pressures of home demand on the economy become too great." The foremost aim of economic policy in 1962 must therefore be "to maintain conditions in which

exporters in the U.K. can take advantage of the opportunities open to them to achieve a great expansion in their sales."

Luer and Record Mounts

B.S.I. RECOMMENDATIONS

THE use of the word "record" in connection with hypodermic syringes has for some years caused confusion and has now become embarrassingly ambiguous, states the British Standards Institution's committee on hypodermic equipment, which considers that the word "record" should be restricted to a single meaning particularly as syringes with the Luer fitting are now becoming increasingly known in the United Kingdom and syringe users are therefore less familiar with the use of the term "record." In the past the term "record" has been used to define a syringe nozzle having the old Continental or 10 per cent. taper and the word originated from the original German makers. The B.S.I. Committee considers it is in that connection only that the word should be used and not in its secondary sense, meaning a type of syringe, i.e., a syringe of construction including glass barrel with metal fittings and purely metal piston. If the secondary meaning is perpetuated it would be possible to describe a syringe as "Record syringe with Luer nozzle," which the Committee consider most undesir-

able and it recommends that the use of the word "record" be confined to describing the taper of the nozzle. The Luer conical fitting with a 6 per cent. taper is specified in British Standards for hypodermic equipment. The committee unanimously recommends that that fitting be generally adopted for hypodermic equipment in the United Kingdom.

Progress Against Asthma

FACTOR OTHER THAN HISTAMINE

AT Sunderland Technical College a research team led by Dr. W. G. Smith (director of research in biochemical pharmacology) has shown by experiments in the guinea pig that 80 per cent. of smooth-muscle spasm of allergic origin may be attributed to a factor known as the "slow-reacting substance of anaphylaxis" (or SRS-A). It has been known for some time that SRS-A, in addition to histamine, is involved in allergic broncho-spasm. Experimental evidence that it is a major contributory factor is considered by Dr. Smith to offer a new sphere of research against allergic asthmatic conditions. SRS-A is a mixture of glycosides of neuraminic acid. Laboratory demonstration of its constructive properties was hampered until recently because of its instability. The present acid, a natural constituent of some carbohydrate-protein complexes, has recently been used experimentally in Sweden in virus research. Much of the information so accumulated may now be applicable in the allergic field.

Society's By-laws

PROPOSED CHANGES ANNOUNCED

IN accordance with Section XXVII of the by-laws of the Pharmaceutical



LARGEST BRANCH: The new branch of Boots, Ltd., at Union Street/Argyle Street, Glasgow, the largest in Britain. The branch was formally opened by the Lord Provost of Glasgow (Mrs. Jean Roberts, J.P.), on April 4. With her on the dais is the company's chairman (Mr. Willoughby R. Norman). Rebuilding cost £550,000. Sales area has been increased from 8,500 sq. ft. to almost 24,000 sq. ft. A continuous illuminated fascia in corrugated Perspex is 385 ft. long.



Society of Great Britain, the Council has approved a proposal, brought up on the report of the Establishment and Organisation Committee, to alter the by-laws as follows:—

Section III Fellows

In clause 3, first paragraph, *delete* the word "outstanding" and *insert* the word "substantial."

In clause 3, first paragraph, *add* the words "or have attained exceptional proficiency in a subject embraced by or related to the practice of pharmacy."

In clause 3, second paragraph, *delete* the words "question him upon his investigations" and *insert* the word "substantial."

In clause 4 *add* the words "or attained distinction in the science, practice, or history of pharmacy."

The Council intends to give effect to the alterations in not less than two months' time.

Advanced Photography

SIX KODAK SCHOLARSHIPS

SIX scholarships in advanced photography are again being offered this year by Kodak, Ltd. Successful candidates will be enabled to attend a full-time advanced course in photography at any institution that, in the opinion of the

selection panel, is capable of giving the required tuition. Application forms can be obtained from the secretary, Kodak, Ltd., Kodak House, Kingsway, London, W.C.2, or from any Kodak branch. Closing date is June 30.

Medical Fellowships

FOR OUTSTANDING DOCTORS

SMITH & Nephew Associated Companies, Ltd., 2 Temple Place, London, W.C.2, are to award another six medical fellowships for 1963. As with the first fellowships that the company awarded in 1961 the new ones will be worth £1,200 each. Applicants, of either sex, must hold a medical qualification registrable in Britain. Application forms (to be completed and returned to England by May 30) and complete details can be obtained from the company's secretary.

IRISH NEWS

THE NORTH

Ulster Chemists

MONTHLY EXECUTIVE MEETING

THE monthly meeting of the Executive Committee of the Ulster Chemists' Association, at which representatives of

the local associations were present by invitation, was held in Belfast on April 3. Mr. J. PAUL (president) in the chair. Mr. Paul expressed pleasure at the attendance of representatives of the local associations. The committee, he said, had looked forward to the meeting because it provided an excellent opportunity of hearing the views of provincial members and letting them know something of what was being attempted by the Committee on behalf of members. He congratulated Mr. R. Gibson on the recent success of his son in being admitted a Fellow of the Royal College of Surgeons. The executive had agreed to hold the May meeting in Newry as a tribute to himself, said Mr. Paul, and it had been agreed that at least one meeting annually should be held in a provincial town (in the case of a provincial president, in his home town). A subcommittee appointed for that purpose had met the House Committee of the Pharmaceutical Society of Northern Ireland to explore the Society's offer of office accommodation. Messrs. W. J. Rankin (trustee) and J. C. Wellwood, together with two members of the Council, had been appointed to attend a consultation with an independent valuer. It had been agreed after discussion, to accept the offer. "all things being equal." MR. C. L. G. RATTIE reported upon a meeting with the Education Committee of the Pharmaceutical Society of Northern Ireland to discuss an offer by a Belfast printing firm to publish a magazine for members. It had been proposed that a central committee should be appointed to discuss the matter with the printer. It should be composed of two members drawn from the Pharmaceutical Society of Northern Ireland, Local Pharmaceutical Committee, Ulster Chemists' Association and Associates' Section.

BUDGET PROPOSALS

Tax changes summarised

ALTHOUGH the Budget presented to Parliament on April 9 by the Chancellor of the Exchequer (Mr. Selwyn Lloyd), was described fairly widely as a "standstill Budget" it nevertheless contained many proposals which affect manufacturing and retail pharmacists. They include changes in:—

Purchase Tax:—From April 10 the 10 per cent. surcharge levied in last year's "little Budget" is abolished (except on tobacco, drinks, motor fuel). Power to reimpose is being taken for one year.

The highest rate of tax now becomes 45 per cent. (instead of 55 per cent., i.e., 50 per cent. + 10 per cent. surcharge), thus cosmetics which attract that rate are substantially affected.

The 27½ per cent. (25 per cent. + 10 per cent.) reverts to the same rate as before the surcharge, that is 25 per cent. Under that class are charged medicines, photographic material, soaps, etc.

Goods formerly taxed at 12½ per cent. plus surcharge (e.g., vacuum flasks) and at 5 per cent. (wearing apparel), become taxable at 10 per cent.

From May 1 a purchase tax of 15 per cent. is being levied on confectionery, certain beverages and ice cream. That tax will apply to such items as diabetic chocolate, glucose sweets, chewing gum and cough pastilles (if not already taxed as a medicine under group 33). Pure liquorice extract in stick form is not chargeable. Beverages which will attract the new tax include spa waters, fruit squashes, comminuted drinks and cordials, black-currant (and other) fruit juices, glucose drinks, barley water and crystals for preparing barley water, etc., herbal beverages and essences for their preparation, except maté tea and similar products which

are made by infusion with hot water.

Provision is to be made to enable any drugs or medicines to be temporarily exempted from purchase tax, pending the making of a Treasury order, by direction of the Commissioners of Customs and Excise (see p. 401).

From the passing of the Finance Act, manufacturers of chargeable goods who are at present not required to be registered (because they neither sell nor let out on hire more than £500 of chargeable goods per year) will be required to be registered if they appropriate to business use more than £500 of chargeable goods per year.

Excise Duties:—From April 10 the excise duties on sugar, molasses, glucose and saccharin are repealed. Duty on light hydrocarbon oil and heavy oils used for road fuel are increased from 1s. 4½d. to 1s. 6d. per gall.

Customs Duties:—Customs duties on imported glucose and saccharin from the Commonwealth are abolished and the full tariff rate has been lowered in the case of glucose to the level previously ruling for Commonwealth imports. The full rate for saccharin imports will be 33½ per cent. *ad val* instead of 7s. 6d. per oz., and that for cocoa butter, 2s. 4d. per cwt. (duty-free if from the Commonwealth).

Other Proposals:—On business expenses the Chancellor said revised and more detailed forms have been sent to employers. Further consideration will be given to tightening these up. Duty on television advertising is consolidated at 11 per cent. Powers to impose a payroll tax are not to be renewed. The Inland Revenue is devising a single corporation tax to replace the income and profits taxes for companies. Details are not yet ready.

Statutory Committee

RESTORED TO REGISTER

MR. R. A. McGrath, 46 Woodvale Road, Belfast 13, applied to the Statutory Committee of the Pharmaceutical Society of Northern Ireland for a direction that his name shall be restored to the Northern Ireland Register of Pharmaceutical Chemists. Cornett & Co., Ltd., 13 Woodvale Road, applied to the Committee for a direction that the disqualification imposed on them from being an authorised seller of poisons should cease. Both applications were granted by the Committee, the directions arrived at to become effective on April 5. [At an inquiry held by the Statutory Committee on April 5, 1961, McGrath's name was removed from the Register and the company was disqualified for a period of one year from being an authorised seller of poisons.]

IRISH BREVITIES

THE NORTH

APPLICATIONS for admission to the summer examinations of the Pharmaceutical Society of Northern Ireland should be submitted to the secretary at 73 University Street, Belfast, 7, on or before May 1.

THE REPUBLIC

ON March 29 a pharmacists association was formed in co. Clare to further the interests of chemists locally. Mr. F. Loughman (president, Pharmaceutical Society of Ireland), attended and addressed the opening meeting. The following officers were appointed:—*Chairman*, P. McMahon, Kildysart; *Vice-chairman*, B. Howard, Kilrush (chairman, Kilrush urban district council); *Treasurer*, J. C. Britton, Milltown-Malbay; *Secretary*, O. Lynch, Ennis.

NEWS IN BRIEF

TANGANYIKA has become a full member of the World Health Organisation.

MISS Marguerite Perey, who discovered the element francium, has become the first woman to be elected to the French Academy of Sciences.

A GRANT of £13,000 has been made by the trustees of the Fleming Memorial Fund to Edinburgh University for its bacteriology department.

THE retail prices index was 117 in January (unchanged from December, 1961). In January 1961 it was 112 (January 1956=100).

"RECENT advances in the packaging of food" will be the theme of the fourth national conference of the Institute of Packaging at the Hotel Majestic, Harrogate, October 11-12.

THE British Electrical and Allied Manufacturers' Association reports that electric toasters and hair dryers achieved record total home and export figures in 1961.

IN a report to the committee of inquiry on decimal currency the National Association of British Manufacturers recommends a 10s. unit as the basis of decimalised British currency. The cost of replacing or converting existing accounting machines is estimated at £128-135 millions.

A CONSIGNMENT of 100,000 doses of oral polio vaccine for Ceylon was flown to Colombo on March 31 by Burroughs Wellcome and Co. at the urgent request of the Ministry of Health and the Commonwealth Relations Office to meet an outbreak of the paralytic form of poliomyelitis in Colombo.

THE following have been elected officers of the National Association of Women Pharmacists: *Vice-president*, Mrs. D. Skilling; *Treasurer*, Miss O'Scarlett; *Registrar*, Miss M. E. Wood; *Employment secretary*, Mrs. R. Quintrell; *Secretary*, Mrs. E. N. J. Jones, 6 Ravenswood Avenue, Rock Ferry, Cheshire.

THE committee set up under the chairmanship of Sir Stephen Lycett Green by the Minister of Health to inquire into the present arrangements for the recruitment, training and promotion of administrative and clerical staffs in the hospital service, has held its first meeting and is inviting representative organisations to submit evidence. Any other person or body wishing to do so should get in touch with the Secretary of the Committee: Mr. H. W. Silver, Ministry of Health, Savile Row, London, W.1.

TOPICAL REFLECTIONS

By Xrayser

Evening meetings

The Pharmaceutical Society has every reason to be proud of its new series of evening meetings, which are proving a great attraction to members and visitors. The meeting on February 14 (pp. 377-79), addressed by Dr. R. R. Trail, was no exception, and he spoke with the authority of a Fellow of the College of Physicians and a Past-master of the Society of Apothecaries, exhibiting also a scholarly appreciation of the history of both bodies. His account of the disputes between the varying interests showed just how difficult it was to draw a dividing line between the functions of the physicians and the apothecaries and that the question of "demarcation" is not by any means a new one. There is no question, as Dr. Trail indicated, but that the year of the great plague in 1665 was one of triumph for the apothecaries, and of something much less for the physicians, most of whom left London for the West Country in the time of crisis. It has been said, in defence of the physicians that, their *clientele* having fled from the plague-stricken city, it was natural that, having their patients' interest at heart, they should have followed. But the consequence was that the apothecary stayed at his post with those who could not afford to fly before the ravages of the epidemic. It is not surprising to learn that the reputation of the apothecaries was enhanced, and that the physicians met with a cool reception on their return to town. Much as the physicians would have liked to belittle the apothecaries, they were handicapped by the fact that much of their own income was derived from the patients sent to them by the apothecaries themselves. Principle and capital on more than one occasion have turned out to be uneasy bedfellows.

The reckoning

As a loyal citizen, with more than a fugitive interest in the activities of Mr. Selwyn Lloyd, I recently wrestled with the problem of finding out how much of my income reposed in guiltless security on the shelves of the pharmacy, wondering as I did so if one or two well chosen sentences of the Chancellor of the Exchequer might show that my money would have been better in the proverbial sock than in stock affected by purchase tax. To those whose experience of stock-taking stretches over three or four decades, it is a shock to discover that one small drawer of antibiotics may represent in value considerably more than the entire stock of drugs of thirty years ago. In those days an enormous hamper of drugs, requiring the herculean labours of two strong apprentices to shift it, might represent no more than £3 in value. Today, the ageing pharmacist could drop a container of antibiotics—worth probably £100—on his toes and scarcely wince. The armamentarium of the physician has undergone vast change. Yet one has the impression that, despite the upheaval, the adage of Dr. Radcliffe might still apply. Dr. Radcliffe said that, when young, he had fifty remedies for every disease; and when old, one remedy for fifty diseases. And who was it that said we must hasten to use our medicaments while they still cure?

The report

I have felt greatly heartened by the volume of branch activity generated by the publication of the report of the Committee on the General Practice of Pharmacy. The more discussion there is, the more will the report be understood, not only by members but by the Council of the Pharmaceutical Society, which has yet to consider the material put forward. It will be evident, from a reading of branch reports, that the question of departmentalising is causing some difficulty, and many will understand and sympathise with the speaker at Plymouth (p. 371) who pointed out the impossibility of such organisation in a small pharmacy. It seems to me to be unlikely that the small pharmacy will indulge in the kind of goods that call for separation. Not all pharmacies stock gramophone records, handbags, fountain pens and writing cases. Nevertheless, the question what constitutes "predominance" of the professional aspect will not be found to be readily definable.

TRADE NOTES

In Foil Packs.—The Distillers Co. (Biochemicals), Ltd., Broadway, London, S.W.19, announce that Penspek tablets are now presented in foil pack of twelve. A similar pack of 100 will be available shortly.

Now Tax-free.—Geigy Pharmaceutical Co., Ltd., Roundthorn Estate, Wythenshawe, Manchester, 23, state that purchase tax is no longer levied on their non-hormonal anti-inflammatory agent Tanderil.

Change of Distributor.—Lantigen (Export), Ltd., announce that their product "Bath Pearls by Delagar" is now being distributed by Dendron Distributors, Ltd., 94 Rickmansworth Road, Watford, Herts.

Approval Awaited.—British Chemotherapeutic Products, Ltd., Grant Street, Bradford, 3, announce that the advertisements in national newspapers listed in their advertisement for Cigenda anti-smoking pill in the *C. & D.*, March 31, are held over pending approval from appropriate Advertising Committees.



Three dimensional showcard for Basic Dew moisturised beauty lotion (Richard Hudnut, Ltd., Eastleigh, Hants).

Emery Boards with Hand Cream.—Reckitt & Sons, Ltd., Sales Department, Hull, Yorks, are giving away three emery boards with every large bottle or tube of Nulon. The 3½-in.-long boards are slotted through a card attached to the bottle or tucked inside the Nulon tube pack. Display material to tie in with the offer is available.

Picnic Beaker with Soft Drinks.—Beecham Foods, Ltd., Great West Road, Brentford, Middlesex, are offering a picnic beaker with every Quosh flavour (orange, lemon, bitter lemon, lemon barley and limejuice cordial). The beakers are stated to be of top-quality strong polythene in red, yellow, green, white or blue (making a set). The offer is backed by a dealer competition with prizes worth £4,250 (seven first prizes of £250 and 100 prizes of £25 each).



"MINI-MEALS": Carton in which Andonia Products, Ltd., Grant Street, Bradford, 3, issue their "Mini-Bisks" (see *C. & D.*, March 24,

Marketing Change.—Crown Capsule Co., Ltd., announce that as from April 1, they have arranged for Southon Laboratories, Ltd., Gravel Hill, Bexleyheath, Kent, to manufacture, market and invoice their whole range of products and capsules.

Bonus Offers

ALLEN & HANBURY'S, LTD., Bethnal Green, London, E.2. *Acriflex*. Twelve invoiced as ten on order for 12 doz.; as eleven on order for 6 doz. (complete dozens). *Dequadin lozenges*. Twelve invoiced as eleven on order for 6 doz. tubes; as ten on order for 12 doz. tubes (complete parcels only). *Allenburys pastilles*. Twelve invoiced as eleven on order for 6 doz. 2-oz. tins (complete parcels only). Carriage paid. Offer does not apply to other Allenburys pastilles such as Lysantol or sugarless.

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1. Pedair plastic-foam foot-comfort products. Twelve invoiced as eleven.

J. C. GAMBLE & Co., LTD., 209 Blackfriars Road, London, S.E.1. Odo-Ro-No. Twelve invoiced as eleven, and additional 5 per cent. on order value £4 or over. Until April 30.

ORGANON LABORATORIES, LTD., Brettenham House, Lancaster Place, London, W.C.2. Endocil hormone-enriched beauty cream. Extra 12½ per cent. for display on order for four or more jars or twelve or more tubes.

PRETESTED PRODUCTS, LTD., Maple Cross, Rickmansworth, Herts. Carters little liver pills, Arrid deodorant and Nair depilatory. Twelve invoiced as eleven, plus display allowances of 5 per cent. on three cases and over, 7½ per cent. on five cases and over, 10 per cent. on ten cases and over, and 12½ per cent. on twenty-five cases and over.

Easter Holiday Closings

NORMAL Easter holiday observed by pharmaceutical manufacturers is from closing time on Thursday, April 19, until Tuesday morning, April 23. The following special arrangements have been notified.

From 3.30 p.m. on Thursday:—

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex.

Open for urgent orders Saturday morning:—

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1.

GEIGY PHARMACEUTICAL CO., LTD., Roundthorn Estate, Wythenshawe, Manchester, 23.

GLAXO LABORATORIES, LTD., Greenford, Middlesex.

PFIZER, LTD., Sandwich, Kent.

Urgent supplies from John Bell & Croyden, 50 Wignore Street, London, W.1.

DISTILLERS CO. (BIOCHEMICALS), LTD., Broadway, London, S.W.19.

DUNCAN, FLOCKHART & CO., LTD. (London office), 4 Carlos Place, W.1.

FBA PHARMACEUTICALS, LTD., 37 Bedford Row, London, W.C.1.

HORLICKS, LTD., Slough, Bucks.

MERCK, SHARP & DOHME, LTD., Hoddeston, Herts.

PAINES & BYRNE, LTD., Perivale, Middlesex.

PHARMAX, LTD., Western House, Gravel Hill, Bexleyheath, Kent.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex.

MANUFACTURERS' ACTIVITIES

A New Edition.—Vacco, Ltd., Grosvenor Gardens House, London, S.W.1, have published a new edition of "The Vacuum Flask," a series of duplicated information sheets containing a variety of facts and figures about vacuum flasks. The sheets are intended primarily for use in schools.

American Licence for Polio Vaccine.—The United States Public Health Service has granted a licence to Pfizer, Ltd., Sandwich, Kent, to produce type III Sabin oral polio vaccine. In 1961 the company was granted licences to produce types I and II oral polio vaccine for the Service.

Field Trials in Antarctica.—Preliminary reports from the British Antarctic Survey of trials carried out by their members using Lotil as a treatment for fissures in finger tips and lips, have been received by John Bell, Hills & Lucas, Ltd., Worsley Bridge Road, London, S.E.26. The trials which have been carried out under medical supervision were not extensive enough to provide a full evaluation of the product when used in such extreme climatic conditions. Favourable reports with healing have been received from three out of six of the stations involved.

EXPANSION PLANS

WILLIAM WARNE & CO., LTD., Barking, Essex, are leasing a factory of approximately 31,000 sq. ft. at Lurgan co. Armagh, Northern Ireland. They expect to employ 250 workers and hope to staff the factory to the maximum extent possible from the unemployed in the locality.

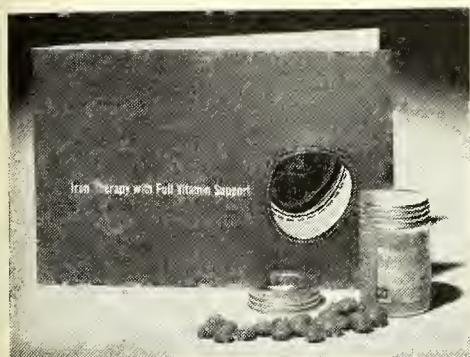
ADDITIONAL manufacturing premises for Sidney Margolis, Ltd., have been taken at 216 Rotherhithe New Road, London, S.E.16. The extra production from the new manufacturing plant will enable them to cope with home and overseas business which, they state, now extends to over thirty countries.

LORD Fleck is to open a new anhydrite-sulphuric acid plant recently completed by Solway Chemicals (an associate company of Marchon Products, Ltd.), at Whitehaven on May 23. The added capacity represents an increase of about 70 per cent. of the company's production of low cost sulphuric acid. Nearly all the additional tonnage will be absorbed in the manufacture of detergent phosphate.

THE laboratories of Laporte Acids, Ltd., at Hunslet and Castleford have been combined in a new £80,000 research block at Castleford, Yorks. The new block covers 11,000 sq. ft. and, in addition to laboratories, includes offices, stores and a reference library. A main feature is the experimental plant laboratory, which has an overhead gantry and adequate room for pieces of pilot scale equipment. In the research and analytical laboratories more than three-quarters of the equipment is new.

NEW PRODUCTS AND PACKS

Vitamins for Pregnant Patients.—Vitamins, Ltd., Upper Mall, London, W.6, announce the introduction of a new speciality, *Pregnavite forte* tablets, claimed to provide in a single preparation all that a pregnant patient needs in the way of vitamins and minerals, principally iron, regardless of diet. The makers suggest that routine treatment of



an apparently well nourished healthy antenatal patient with one tablet per day (a prophylactic dose) may be all that is needed. In the presence of moderate or severe anaemia (say a haemoglobin level of 70 per cent. or less), the full dose of three tablets per day may be indicated. The packs are containers of sixty and 500. *Pregnavite*, in its present form, and as marketed for the past twenty-three years, continues to be available. The new product offers an increased range of vitamin supplementation.

Parkinsonism Treatment.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce the issue of *Kemadrin* brand injection containing 10 mgm. of procyclidine hydrochloride in 2-mil ampoule. *Kemadrin* injection is indicated in the treatment of parkinsonism and drug-induced parkinsonism (pseudo-parkinsonism), especially when symptoms are so severe that administration by mouth is impossible. Intravenous injection is claimed to bring rapid relief and to enable the patient to continue with oral therapy. It is available in box of five ampoules.

New Betamethasone Products.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction of additional preparations in the *Betnesol* (betamethasone phosphate) and *Betnelan* (betamethasone) ranges. The new products are *Betnesol-N* nasal spray, containing 0.02 per cent. of betamethasone phosphate, 0.5 per cent. of neomycin sulphate, and 0.02 per cent. of phenazoline nitrate in a 15-mil plastic bottle; *Betnesol* injection for intramuscular or intravenous use, containing 4 mgm. of betamethasone as phosphate per mil (the product is issued in 1-mil ampoule and box of six 1-mil ampoules); and *Betnelan* intra-articular injection, each mil containing 4 mgm. of betamethasone alcohol and 1 mgm. of betamethasone as phosphate (containers of six 1-mil ampoules and a 5-mil vial).

A Product Against Blackhead.—May & Baker, Ltd., have launched, and are distributing through their associate company, Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex,

a new speciality *Emtryl* (dimetridazole), soluble and tablets for the treatment of blackhead in turkeys. *Emtryl* is claimed the most effective treatment so far introduced for the purpose. Palatable to turkeys, it is understood not to reduce the water intake. The soluble variety dissolves readily in cold water. *Emtryl* is stated to have no effect on the colour or flavour of the flesh, and the soluble product is understood to be non-staining. Both products are being advertised to the poultry industry and in related professional journals. The packs are 2-oz., 8-oz. and 1-lb. tins of the soluble (to medicate 10, 40 and 80 gall. respectively of drinking water) and the tablets in packs of twenty-five and 100.

Controlling Worms in Sheep.—What is described as "the most significant breakthrough in recent years" is a new product *Halin* designed for the control of "problem" worms in sheep. The manufacturers, Nicholas A. & V., Ltd., 225 Bath Road, Slough, Bucks, announce that the product has had extensive trials in both Australia and Britain. *Halin* is a new organic phosphate compound claimed four times more active, weight for weight, than phenothiazine against "problem" worms in sheep and cattle. The active ingredient is *Ruelene*, a drug developed and patented by the Dow Chemical Co., Ltd. Sheep farmers will appreciate the fact that *Halin* does not stain or harm the wool. It may be effectively used on both sheep and cattle and may be administered with any small dosing gun. The pack is a 1-gall. tin-plate can. *Halin* is claimed harmless to man if reasonable standards of precautions in cleanliness are adopted by the person administering the drug.

Redesigned Packs.—Macdonald & Son, Ltd., Portland Mill, Ashton-under-Lyne, Lanes, have had their entire range

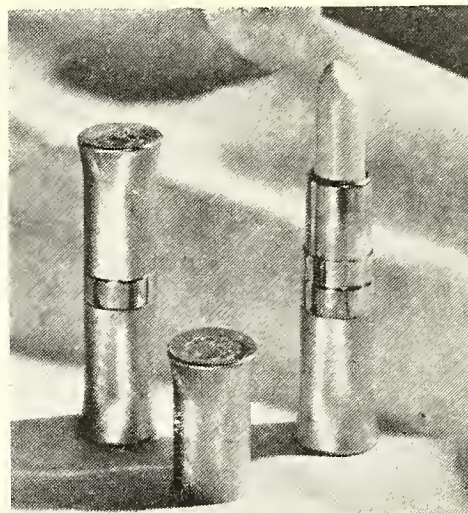


of *Certor* dressings redesigned. The colour coding is continued for B.P.C. and hospital cotton wools, B.P.C. gauze, white and boric lint, the crepe and woven bandages, but the crepe markings are bolder for quicker shelf identification. Messrs. Macdonald have also introduced multiple-pack dressings. The complete range, including all sizes of W.O.W. bandages, is cartoned and transparent-wrapped.

Anti-smoking Tablets.—Reginald Loftus, Portwood Junction, Southampton, is marketing, under the name *Lof-u-dine*, anti-smoking tablets containing in each tablet 1-mgm. of lobeline hydrochloride, 0.15 mgm. of aneurine hydrochloride and 0.5 mgm. of caffeine together with sugar and lactose.

Dusting Powder.—Chanel, Ltd., 2 Old Bond Street, London, W.1, are introducing in June a finely spun dusting powder in their *Chanel No. 5* range. The product is presented in a round, white box with the Chanel monogram on gilt centre oval and with satin and lambswool powderpuff inside.

"Fashion Matte" Lipstick Colours.—Max Factor Hollywood and London (Sales), Ltd., 16 Old Bond Street,



London, W.1, have launched a new "Fashion Matte" series of lipstick fashion colours in six shades (Cognac, Tokay, Bordeaux, rosé, Madeira and Champagne mattes). The distinctive feature is "an entirely new creamy formula that seals in moisture to cherish the lips." The case is of brushed finish non-tarnishable gilt, concave-shaped at both ends, with polished centre band; it has a swivel action and takes easy-change automatic refills in pale blue golden embossed container.



The old (left) and new *Certor* packs.

A New Perfume.—Goya, Ltd., 161 New Bond Street, London, W.1, have launched a new perfume, *Entice*, described as "an exciting new perfume with irresistible sales appeal."

Improved Container.—Endocil hormone-enriched beauty cream has been given a new jar and tube by the manufacturers, Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2. The new containers have a black-and-gold design.

Soaps and Matching Toiletries.—Roberts Windsor, Ltd., Victoria Works, Colwick, Nottingham, are launching on May 25 a new Windsor series of soaps and matching toilet preparations, comprising Windsor gorse, dianthus, fern and lavender.

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

ANXIETY about the fall in demand for orange juice, cod-liver oil and vitamin tablets at welfare clinics was expressed by MR. FRANK ALLAUN during an adjournment debate in the House of Commons on April 3. Comparing the last quarter of 1960 with that of 1961, he said orange juice consumption fell by 61 per cent., cod-liver oil by 64 per cent., and vitamin tablets by 48 per cent. The reason, said Mr. Allaun, was that the Government had imposed new charges. Cod-liver oil, which was formerly free, now cost 1s. a bottle; vitamin A and D tablets which were also formerly free, now cost sixpence a packet, and orange juice, previously fivepence a bottle, was now 1s. 6d. a bottle. At December 31, 1961, there were 2,760 tons of bulk concentrated orange juice that remained undistributed as well as 1,823,000 bottles of orange juice; 481,000 bottles of cod-liver oil and 357,000 packets of vitamin tablets. He suggested that if the charges were removed the stocks would soon be distributed. MISS EDITH PITI (Parliamentary Secretary, Ministry of Health), suggested that it should not be assumed that welfare foods alone had been responsible for the disappearance of vitamin deficiency diseases during the past twenty years. There was no evidence that the health of mothers and children was suffering or that vitamin intakes were inadequate. Other sources of vitamins were available besides the Government's welfare food service.

Fowl Pest

MR. W. M. F. VANE (Joint Parliamentary Secretary, Ministry of Agriculture), informed MR. PETER WALKER in a written answer on April 5, that there were between 200 and 250 million poultry reared each year and vaccination against fowl pest would require that many birds would have to be vaccinated more than once irrespective of the type of vaccine used. If dead vaccine were used about 200 million doses would be required. He could not give a firm estimate of costs.

Drugs Dangerous to Sight

BARONESS SUMMERSKILL asked in the House of Lords on April 4 how the Government proposed to bring to the notice of every practising doctor the warning issued in the *British Medical Journal* that drugs in extensive use for various diseases, including rheumatoid arthritis, were responsible for serious damage to the eyes. LORD NEWTON said that a warning about the possible side effects of chloroquine was published in May 1960. BARONESS SUMMERSKILL replied that other drugs were mentioned and added "It was discovered that a drug N.P.207 . . . caused complete blindness. That, I hope, has been withdrawn from the market, but I have just telephoned a chemist and I understand that Melleril, which is also mentioned, is still on the market, although this causes only eye damage. The same happens with chloramphenicol." She suggested that doctors "should have their minds refreshed . . . they should be

told" that every patient taking chloroquine should have a periodical eye examination because the damage was irreparable. LORD NEWTON pointed out that the article indicated that one of the drugs, 1,7 di(*p*-dimethyl amino phenoxy) heptane, was being discontinued. "As to the two other drugs, thioridazine (Melleril) and chloramphenicol, the article says it would seem that complications from them have been noted only after unusually high doses." References to chloramphenicol had appeared in *Prescribers' Journal*. The fourth drug, piperidylethylchlorophenothiazine, was never on the market.

The Budget

MR. SELWYN LLOYD (Chancellor of the Exchequer) presented his budget on April 9 (see p. 390).

COMPANY NEWS

Previous year's figures in parentheses

TAYLORS (CASH CHEMISTS), LONDON, LTD. (Timothy Whites group).—Profit for year ended January 13, was £326,738 (£294,103). Tax charge, £183,323 (£150,188), net profit, £143,415 (£143,915).

TAYLORS DRUG CO., LTD. (Timothy Whites group).—Profit for year ended January 13, £437,041 (£431,487). Tax charge, £238,211 (£218,526); net profit, £198,830 (£212,961).

GORDON & GOTCH, LTD.—Mr. Christopher C. Goodall has been appointed managing director on the retirement of Mr. C. A. Kelly. Mr. John Berrill was recently appointed chairman, and Mr. A. Peart Smith becomes deputy managing director.

ASSOCIATED CHEMICAL COMPANIES, LTD.—Group trading profit, etc., fell from £1,471,447 to £1,351,773 for 1961, and the net balance is down from £599,592 to £492,102. A final dividend of 9½ per cent. is declared making 16 per cent. on capital increased under the acquisition of the Farmers' Co.

R. W. GREEFF & CO., LTD.—Messrs. E. R. Barber and E. E. Stedman have been appointed managing directors and Messrs. A. J. H. Berthoud and D. E. Bristow have been appointed directors of the company. Mr. L. S. Heskins has intimated that on reaching retirement age on August 31, he wishes to retire from the board, but will remain a director of Greeff-Chemicals Holdings, Ltd.

YARDLEY & CO., LTD.—Group net profit for 1961, after minority interest, £898,276 (£866,520) and dividend, 37½ per cent. (same). Fixed assets, £2,533,785 (£1,796,604); current assets, £9,163,095 (£9,263,868). The chairman's statement mentions that group sales expanded in 1961 but increased costs absorbed most of additional profit. Sales of men's products increased satisfactorily in all parts of world but in chairman's opinion, its potential is never likely to equal that of women's market.

Easter Recess

It was announced in both Houses that it was hoped to adjourn for the Easter recess on April 18 and reassemble on May 1.

Resale Price Maintenance

LORD MILLS (Minister without Portfolio) told LORD LUCAS in the House of Lords on April 10 that the President of the Board of Trade did not intend to publish the findings and conclusions of a resale price maintenance inquiry carried out by Board of Trade officials. A statement would be made about the Government's conclusions on the matter as soon as the president had completed his study of the report. Lord Mills said the Government realised there was a desire on the part of both supporters and opponents of resale price maintenance for an early statement about the conclusions, but it was not possible to give any idea when a statement could be made.

THE BRITISH DRUG HOUSES, LTD.—Ordinary dividend is unchanged at 16 per cent. for 1961 Under the terms of the agreement with Mead Johnson & Co. the 390,000 "B" ordinary 5s. shares issued to it last July will not receive the dividend. Group trading profit has increased from £642,000 to £707,835, and the net profit from £262,568 to £319,424 after all charges including tax of £311,859 (£316,297), and the small amount attributable to minority interests.

TIMOTHY WHITES & TAYLORS, LTD.—Group trading profit and sundry income for the year ended January 13 was £2,536,467 (£2,277,740). Dividend is stepped up by 1½ per cent. to 17½ per cent. with a final of 11½ per cent. (against 10 per cent.). Profit, before tax, advanced from £1,773,728 to £2,008,656, after charges totalling £527,811 (against £504,012) including depreciation, £292,946 (£280,720). The tax charge is £1,131,986 (£921,695), leaving a net profit of £876,670 (£852,033). An £83,112 (£23,605) surplus on sales of properties has been transferred to capital reserves.

BOWMANS CHEMICALS, LTD.—Profit, before tax, for year ended October 31, 1961, was £38,913 (£58,495), and dividend 12½ per cent. (equivalent 11.35 per cent.). Fixed assets, £153,161 (£140,324) and net current assets £125,997 (£149,207). The chairman (Mr. J. A. E. Howard) in his statement accompanying the accounts mentions that £85,000 is to be spent on further plant modernisation and extension. Trading results for past quarter of current year are poor, but he hopes the year's result will show the decline has been halted. — Mr. W. H. Bellamy has resigned from the board.

SMITH & NEPHEW ASSOCIATED COMPANIES, LTD.—Final dividend for 1961 is 1¼ per cent. higher at 8¼ per cent. on capital increased by a one-for-five rights issue. A one-for-three scrip issue is proposed. The 1961 total is 13¼ per cent. against 12½ per cent., and

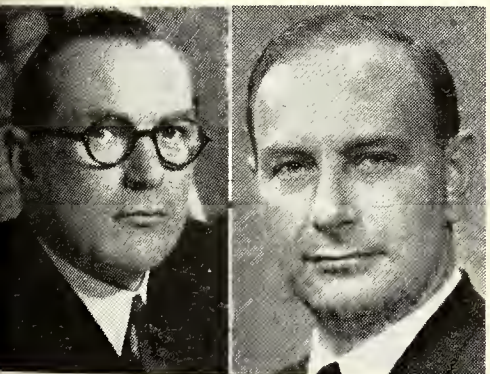
members are told the directors had in mind the Chancellor's request that companies still enjoying a modest prosperity should exercise restraint in declaring largely increased dividends. After heavier depreciation provision, group profits increased from £2,307,072 to £2,694,018 in 1961. Net profit was £1,306,319 (£1,151,114). The scrip issue will necessitate capitalisation of £2,438,487 of reserves and an increase in the authorised capital. The proposed capitalisation, it is added, should not be taken to imply any increase in the total amount of dividends available in future years.

DIRECTORS OF EDINBURGH PHARMACEUTICAL INDUSTRIES, LTD.



Lord Ferrier of Culter (chairman) (left) and Mr. A. Forsyth (managing director) of the new Scottish company, particulars of which were published last week (p. 367).

WELLCOME FOUNDATION, LTD.—Mr. A. N. Falder, M.P.S. (a director of the company), is to take over the office of company secretary in addition to his present duties as personnel director on May 1. Mr. J. H. P. Upton, M.B.E., LL.B., has been appointed to a newly-created post as assistant director of overseas companies on the same date. Mr. Upton, who has been secretary since 1957, will be responsible to Dr. Fred Wrigley (director of overseas companies). Mr. B. T. Keene, B.Pharm., F.P.S., has been appointed general man-



Mr. A. N. Falder
Mr. B. T. Keene

ager and a vice-president of the Italian company, Wellcome Italia, S.p.A. Mr. Keene was a production pharmacist at the Wellcome Chemical Works from 1954 to 1958, became an overseas executive, and was commercial director of the Foundation's Brazilian company from 1959 to 1961.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—The fall in profits for 1961 from £558 millions to £550 millions (see *C. & D.*, March 3, p. 227), is

attributed by the directors in their report accompanying the accounts for that year to (1) substantial fall in world markets of certain chemicals; abnormal surpluses particularly in the United States caused a lowering of prices which spread to Europe; (2) the policy which the board adopted of anticipating Britain's entry into the Common Market by deliberately adjusting some prices; and (3) to the export trade which although at a record level was done in fiercely competitive conditions with lower profit margins. In the home market sales of pharmaceuticals were a record and in the export sector sales of an anaesthetic were doubled. Capital expenditure of the group sanctioned in the year amounted to £73 millions (£40 millions). Expenditure on research and development in the United Kingdom amounted to £15 millions and £3 millions was spent on technical service for customers at home and abroad. Exploratory research on new pharmaceutical products is being expanded, the report adds.

BUSINESS CHANGES

THE ELEY PHARMACY, 6 Market Street, Ashby-de-la-Zouch, Leics, has closed.

JAMES COOK (CHEMISTS), LTD., are removing to 52 St. Benedict's Street, Norwich, on April 24 (from 46 St. Stephen's Street).

THE business of Mr. C. O. Schimmer, manufacturer and importer, 93 Aldersgate Street, London, E.C.1, who died recently (see below) is being continued by Mr. Schimmer's stepson (Mr. Ralph R. Johae) who has been managing it for thirty years.

G. LIGHTFOOT & SON, LTD., have acquired the pharmacy at Annan Road, Gretna, formerly owned by Mr. J. Mitchell who has retired. The pharmacy will be under the supervision of Mr. J. M. Irvine, M.P.S., who is now a director of the company.

Appointments

THE chemical division of the Distillers Co., Ltd., Mayfair Place, London, W.1, have made the following appointments: Mr. A. A. Puddick, general sales manager (chemicals); Dr. K. W. Geddes, marketing manager; Mr. S. W. Clayton, export sales manager (with effect May 7).

ERNEST JACKSON & CO., LTD., Crediton, Devon, have appointed Messrs. Bateman-Jackson, 3 Grove Street, Wilmslow, Ches, their representatives in Lancashire, Cheshire and North Wales from April 24. Mr. E. Hughes has left the company's employment.

GERHARDT-PENICK, LTD., Purley Way, Croydon, Surrey, have appointed Mr. D. Varley their area sales supervisor for the North of England and Mr. H. F. Thake, area sales supervisor for the South. William Hill & Co., 63 Berkeley Street, Glasgow, C.3, have been appointed exclusive agents and distributors in Scotland for all the proprietary articles of Messrs. Gerhardt-Penick.

PERSONALITIES

MR. DOUGLAS ALEXANDER TODD, F.P.S., 41 Broad Street, Syston, Leics, has been appointed to be a justice of the peace for Leicestershire. Actively interested in local affairs, Mr. Dodd is a past-chairman of Leicester and Leicestershire Branch of the Pharmaceutical Society and is also secretary of the Leicestershire and Rutland Pharmaceutical Committee.

MISS M. A. FIELDING, M.P.S., told members of the Halifax Branch of the Royal Society of St. George, when she was elected their first woman president, recently, that she was also the first woman in Halifax to qualify as a pharmacist, the first to have her own pharmacy business, and the first woman to be chairman of Halifax Branch of the Pharmaceutical Society. She is in business in the King Cross district of Halifax.

MARRIAGES

MAGRATH — MONTGOMERY.—At St. Stephens Church, Dublin, Eire, on March 31, Errick Magrath, M.P.S.I., Wakefield, Yorks, to Hilda Georgina Montgomery, Dublin

HAWLEY—TROY.—At First Coleraine Presbyterian Church, Coleraine, co. Londonderry, Northern Ireland, on March 31, David Hawley, B.Sc., Edinburgh, to Anne Finola Troy, M.P.S.N.I., 12 Adelaide Avenue, Coleraine.

DEATHS

CHISHOLM.—On April 2, Mr. Alexander McIntosh Chisholm, M.P.S., 3 Kinmount Avenue, Glasgow, S.4. Mr. Chisholm qualified in 1900.

DAVIES.—On March 28, Mr. Emlyn Stanley Davies, M.P.S., The Hollies, 22 Harts Leap Road, Sandhurst, Camberley, Surrey. Mr. Davies qualified in 1915.

JACKSON.—On March 16, Mr. George Haverd Jackson, M.P.S., 21 Berrylands Road, Surbiton, Surrey. Mr. Jackson qualified in 1920.

ORME.—On March 26, Mr. John William Orme, 41 Quarrendon Street, London, S.W.6. Mr. Orme qualified as a chemist and druggist in 1901.

SCHIMMER.—Recently, Mr. C. O. Schimmer, manufacturer and importer, 93 Aldersgate Street, London, E.C.1, aged ninety. Mr. Schimmer carried on business in Aldersgate for sixty-seven years. His son (Mr. R. C. Schimmer) is a director of Brome & Schimmer, Ltd., 7 Leather Market, London, S.E.1.

TAPLEY.—On March 30, Mr. Ernest William Tapley, M.R.C.S., L.R.C.P., M.P.S., 10 Mandeville Road, London, N.14. Dr. Tapley qualified as a chemist and druggist in 1921.

WEST.—On April 4, Mr. Leonard C. West, sales promotion manager, Chemical division, The Distillers Co., Ltd., Devonshire House, Mayfair Place, London, W.1, aged fifty-six. Mr. West joined the sales department of British Industrial Solvents, Ltd., in 1948 and during his fourteen years' service with D.C.L., he gained wide experience in the field of chemical sales and made many friends in the industry.

Candidates for Election to the Council

WHO THEY ARE AND WHAT THEY STAND FOR

FOR the seven vacancies on the Council of the Pharmaceutical Society there are sixteen candidates, including six outgoing members. (The seventh vacancy is still unfilled since the death of the late Mr. Gwilym Hughes in November 1961.) Voting papers are shortly being sent out. To be accepted they must be returned not later than 12 noon on May 16. The candidates' biographies and policies are here outlined:

BROCKLEHURST, ERIC ARTHUR

QUALIFIED in 1927. A proprietor pharmacist, controlling five pharmacies. Has been a member of Council since 1944 and during that time served on all Committees. Is at present on the Ethical, Public Services and Establishment and Organisation Committees. A member, British Pharmaceutical Codex Revision Committee, and of the Franco-British Commission. A member of Executive, National Pharmaceutical Union (its chairman, 1945-46) and of the Central N.H.S. (Chemist Contractors) Committee. A past-president of the Chemists' Federation. A past-chairman, Hull Branch, Pharmaceutical Society. Chairman, Hull Pharmaceutical Committee. A member, Hull Executive Council. A governor of the University. A justice of the peace. Sheriff of the city, 1956-57. A past-president, Hull Rotary Club.

POLICY: Since my first election to the Council in 1944 I have been honoured by your continued support and I have endeavoured to justify this confidence by my work as an active member of Council, of the important committees and as vice-president (1953-54) and president (1954-55). Those years have taught me the vast amount of work to be done—much of it unspectacular but very necessary—and I trust my experience and knowledge will allow you again to give me your vote. The report of the Committee on the General Practice of Pharmacy is now under consideration by the membership and I hope all pharmacists will study it carefully because it can have a real effect on our future. I have been a member of that Committee since its inception and support most of its recommendations. Subject to some amendment which will result from the branches' suggestions I hope it will eventually be adopted and become part of the Society's policy. Public relations in so far as they affect pharmacy are also under consideration, and with the full co-operation of all members and given wise leadership from the Council and its officers I think the decade ahead should see a steady improvement in the status of the pharmacist.

DARLING, WILLIAM MARTINDALE

PROPRIETOR of three pharmacies in South Shields, co. Durham. Vice-chairman of the Sunderland Branch of the Society and secretary, South Shields Local Pharmaceutical Committee. A member of the South Shields Executive

Council and of its finance subcommittee. Educated at the Newcastle Royal Grammar School and Sunderland Technical College. At college served on national executive, British Pharmaceutical Students' Association, and was chairman of its Sunderland Branch, 1953-54.

POLICY: We now stand at the crossroads. As a young man with the greatest part of my professional career before me I am vitally concerned that the decisions taken now are the right ones. If elected I will strive to improve the status and welfare of all pharmacists, irrespective of which section of pharmacy they belong to. The report on the General Practice of Pharmacy merits special consideration. Subsequent to full discussions at branch level its final form must be adopted by a Branch Representatives' meeting. It must be indicative of the views of the majority of pharmacists and should be a clear guide, providing standards generally acceptable and capable of fulfilment, so that, in the future, no one can contravene the democratic decision of the majority. To increase interest in pharmaceutical affairs members should be given more information. To bring that about the *Journal* must be allowed to publish full reports of all meetings of Council (including the minutes of various subcommittees), the Central N.H.S. (Chemist Contractors) Committee, the council of the Guild of Public Pharmacists and National Pharmaceutical Union Executive, etc. To allow a wider exchange of views amongst pharmacists more space should be devoted to correspondence. One of the main reasons for the calamitous state of affairs concerning remuneration is due to the fact that we have allowed ourselves to become divided. Unity is essential to improve any aspect of our profession be it code of ethics, education or economics. I am convinced that our ultimate aim must be "one voice for pharmacy." That will take time and can only be accomplished gradually. I welcome as a first step the proposal to form a co-ordinating committee with other recognised pharmaceutical organisations enabling our Society to play an increasing part in the affairs of us all.

FARRER-BARNES, JOHN

A MEMBER of Council and chairman, Ethical Committee. Served his apprenticeship in Ulverston, Lancs, and qualified in 1928 after studying at Liverpool School of Pharmacy and Manchester University. Gained experience in both private and multiple pharmacy and owns retail businesses in Liverpool. Past-chairman, Liverpool Branch of the Society and Liverpool Chemists' Association. Chairman, Liverpool Branch, National Pharmaceutical Union, and a member of the Pharmaceutical Committee and service committee. A governor (pharmacy advisory), Liverpool College of Technology.

POLICY: It is now more than ever necessary for pharmacy to put its best

foot forward in service to the Public. Not only must we continue to render diligent and impeccable service, but it must be quite apparent that we do. Whilst economic reserves resulting from ill-advised political action must be contested by all legitimate means, they must never be allowed to dull the individual and collective sense of responsibility that is the very foundation and justification for our privileges. Both enlightened self-interest, and the public interest, dictate that we should not forget the painstaking efforts of earlier generations of pharmacists to secure the statutory safeguards of our calling on the basis of merit. It must be self evident that those safeguards cannot be, and should not be, regarded as a sinecure. We must continue to deserve the public's respect, and Parliament's support, through love of our job, doing it always with pride, and to the best of our ability, and so ensuring that the public do see and recognise our service. My aims are: (i) to work for closer relations between all organised branches of pharmacy, so that, under the ægis of the Society, we may bring out and utilise the best in all for the good of all; (ii) to promote more effectual branch activities by encouraging still more active liaison with the Council; (iii) to press on with the improvement and enforcement of a realistic code of professional conduct, to ensure that a small minority of weaker brethren cannot threaten the security of the whole profession; (iv) to encourage a full study of the current economic position of pharmacy, so that informed public and political relations can be undertaken in vigorous and rightful promotion of our interests.

GROSSET, JOHN BENNETT

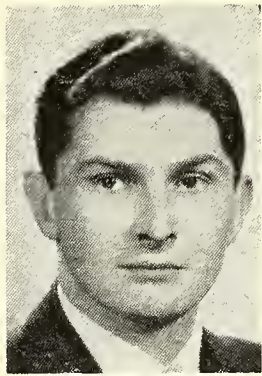
EDUCATED at Heriot Watt College. Qualified in 1940. Gained Diploma in Biochemical Analysis, 1947. A proprietor pharmacist and holder of a Therapeutic Substances Act licence. At present chairman of the Council's Public Services Committee as well as serving on the Education, Ethical and Law Committees. Also on Publicity and Professional Fees Committees. Chairman of the Scottish Department Executive, 1957-59, and a past-chairman, Edinburgh and South-eastern Scottish Branch.

A member of the Scottish Health Services Council and chairman of its Standing Pharmaceutical Advisory Committee. Chairman of the committee recently set up to investigate the pharmaceutical service in Scottish hospitals. A former (*ex-officio*) member of the Pharmaceutical Standing Committee (Scotland) and of the Pharmaceutical General Council (Scotland). Served on the Edinburgh Executive Council for seven years and was chairman of its services administration committee. A former secretary, Edinburgh Pharmaceutical Committee.

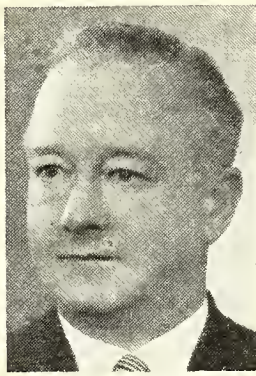
POLICY: Having served on the Council for three years it is still my opinion that the needs of retail practice are



Mr. E. A. Brocklehurst



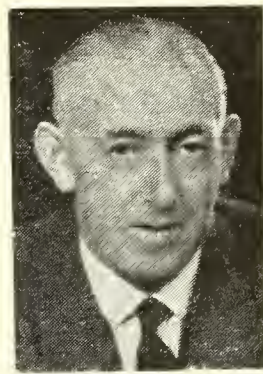
Mr. W. M. Darling



Mr. J. Farrer-Barnes



Mr. J. B. Grosset



Mr. T. Heseltine

better met by the Society's diploma than by a university degree. I feel strongly, as I did three years ago, that the diploma must remain. It must also be emphasised that the possession of a degree in pharmacy does not automatically ensure registration as a pharmaceutical chemist. The Society has little or no control over university courses and examinations therefore it must exercise its right most critically to ensure that those who are registered, hold a degree which measures up to the standard which the Society demands as necessary. Recent events have made it abundantly clear that our professional skill and exacting educational standard are not sufficiently appreciated. We must obtain the conscious goodwill of Parliament, the Press, the medical profession and, of course, the public. That is the function of our public relations consultants but good public relations are not achieved by setting up a committee and giving it money. Success can only come when every pharmacist realises that he has a personal part to play. It is my opinion that the Society can no longer regard the Health Service as something which lies outside its sphere. We must assert our professional right in matters relating to the pharmaceutical service and, as the practice of pharmacy becomes more professional with the passage of time, so must the Society press home its authority as a representative body.

HESELTINE, THOMAS

PROPRIETOR retail pharmacist in Normanton, Yorks. Qualified in 1921, and has served on the Society's Council for seventeen years. Was vice-president, 1952-53, and president, 1953-54. For past seven years has been chairman of Benevolent Fund and Birdsgrove House Committees. A member of the Statutory, Finance and Education Committees. For past twenty-five years a member of the Executive Committee, National Pharmaceutical Union, and its chairman, 1943-44. A past-president, Chemists Federation. A member and a past-chairman, Central N.H.S. (Chemist Contractors) Committee, a member of the Pharmaceutical Whitley Council, staff side, committee "A." A member of the West Riding (Yorks) Executive Council, and secretary of the West Riding (Yorks) Pharmaceutical Committee. A past-chairman, Leeds Branch of the Society.

POLICY: I am of the opinion that pharmacy in Great Britain has never been better served than it is at this moment by the Council and officials of

our Society. I am aware that this is a bold statement to make, but it is not made without a good deal of thought backed by first-hand experience. The present difficulties which beset the majority of our members are well known to members of Council, and I can give you this assurance that Council as a whole is willing and eager to assist

those whose special duty it is to negotiate with the Ministry of Health. The aims of Council are well defined and forward-looking, there are worth-while schemes afoot all of which I would be honoured to help to bring to fruition and thus benefit pharmacy as a whole. It is for this reason that I once more ask for your vote.

(Remainder to come)

BRANCH EVENTS

MANSFIELD

Professional Insults

MANSFIELD Branch of the Society had a "full house" for its annual dinner and dance, over 200 members and guests being present on March 21. Responding to the toast to the Society, Mr. C. H. Preston Robinson (group pharmaceutical officer, Mansfield Hospital Management Committee) said: "The increase of sixpence in the pound offered to hospital pharmacists was an insult to any professional man, and I say that as a member of the General Whitley Council and the Pharmaceutical Whitley Council." Manufacturing, retail, and hospital pharmacists had

visitors, who included Dr. T. S. McKean (Medical Officer of Health, Sutton-in-Ashfield) and Mrs. McKean, and Mr. G. C. P. Vallance (treasurer, Wholesale Photo Finishers Association). Efforts in aid of the Society's Benevolent Fund raised a total of £46.

EDINBURGH AND S.E. SCOTTISH Art of Photography

THE Edinburgh and South-eastern Scottish Branch of the Society heard an address by Mr. G. Anderson (Boots, Ltd.) on "Picture Making with a Camera" at the Branch's annual meeting on March 20. Mr. Anderson illustrated with slides salient points in the make-up of the perfect picture, and



DINERS AND GUESTS: The chairman of the Mansfield and District Branch of the Pharmaceutical Society (Mr. G. O. Smith) with other officers and guests at the Branch's annual dinner and dance recently. [Photo by A. C. Vallance, Ltd., photographers, Mansfield]

done their duty and been thanked by the Minister in his own way by various means, his favourite method being to cut remuneration. Manufacturing chemists had exported to the tune of £45 millions. The Minister of Health had thanked them by saying they were earning too much in the home market and by trying to diminish their share of it while expecting them to continue their export efforts. The retail pharmacist had had "an Irishman's rise." Mr. G. O. Smith (Branch chairman) welcomed the

showed how an otherwise excellent picture could be spoiled by lack of attention to detail. It was agreed at the annual meeting to make a donation of £30 to the Pharmaceutical Society's Benevolent Fund.

N.H.S. STATISTICS

In ENGLAND during November 1961, 175,542,680 prescriptions (120,550,658 forms) were dispensed at a total cost of £40,332, at an average of 100.49d. per prescription.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Support for Candidates

SIR,—On behalf of the South Shields Local Pharmaceutical Committee, may I beg the courtesy of your columns to solicit support in the forthcoming Council election for a local candidate. Mr. William M. Darling. He is a proprietor pharmacist, and a most active worker in all pharmaceutical affairs. He is also a very energetic secretary to the Pharmaceutical Committee. He possesses the initiative, vigour and enthusiasm to make him an excellent member of Council, dedicated to improving the status and well being of all our profession. I strongly recommend this candidate to all voters.

R. DARKE, *Chairman*,
South Shields

SIR,—The officers and committee of the Romford and District Branch of the Pharmaceutical Society feel that the time has come for a wind of change to blow strongly through the Council chamber. Too long have negative complacency and *laissez-faire* obtained where positive action and inspired forethought should have been evident. To this end they commend to members the candidature of Mr. Kenneth Holland, whose intimate contact with all branches of pharmacy has given him a wide and balanced understanding of the problems of our time, and the means by which they may be resolved.

E. W. RICHARD, *Chairman*,
Romford

SIR,—We, the undersigned, representing the Devonshire Branches of the Pharmaceutical Society, unite in declaring our support for Mr. A. G. Mervyn Madge at the forthcoming Pharmaceutical Council election. His outstanding ability, keen insight and pertinacity render him eminently suitable for membership of the Council. Furthermore, his unrivalled experience in a diversity of pharmaceutical problems prompts us to commend him to members of all other Branches. We consider that his forceful personality and forthright manner would help to enhance the future position of pharmacy. We declare that a vote for A. G. Mervyn Madge would be in the best interests of progressive pharmacy.

H. J. REYNOLDS, *Chairman*,
Plymouth Branch,

R. C. CRISP, *Chairman*,
Exeter Branch,

A. L. CHAPMAN, *Chairman*,
Torquay Branch.

SIR,—I have been asked by the members of the North Staffordshire Branch of the Pharmaceutical Society to inform you that the Branch is unanimous in its support of the nomination of Mr. C. E. Turner in the forthcoming Council election. Mr. Turner is heart and soul in pharmacy, and his determination and perseverance during the past eleven years as Branch secretary have resulted in a most active and lively North Staffs Branch. His sincere and forthright approach to present-day problems in pharmacy has earned him the respect

of all members of the profession in this area. We feel that his businesslike manner would be a valuable asset in the Council chamber. His aim is for unity and higher professional status, so that pharmacy may attain its rightful place in the Health Service.

R. MALKIN, *Chairman*,
(MISS) S. FLEET, *Vice-chairman*,
Stoke-on-Trent

SIR,—With reference to the forthcoming election of members of the Society's Council, we, the undersigned, would commend to the notice of your readers the candidature of Mr. John Farrer Barnes. A member of Council for six years, he has served on the following Committees: Education, Ethical Establishment, Finance, Practice of Pharmacy, Publicity and Public Service. His main attention probably lies in education, to which he has made notable contribution, and on the Ethical Committee, of which he is the present chairman. His services in local pharmaceutical affairs are as diligent and valuable as ever, and he enjoys the implicit confidence of the members of his Association and Branch of the Pharmaceutical Society.

H. HUMPHREYS JONES, *Chairman*,
Liverpool Branch
W. G. FOWLER, *Secretary*

SIR,—Sunderland and District Branch of the Pharmaceutical Society has much pleasure in supporting the candidature of its vice-chairman Mr. William Martindale Darling, at the forthcoming election of Council of the Pharmaceutical Society. Mr. Darling is actively engaged in retail practice and is the third generation of pharmacists in the family business, his father and great-uncle having preceded him. Mr. Darling's retail experience gives him a clear and concise appreciation of everyday problems in retail practice. He has been interested in pharmaceutical politics since he was chairman of the Sunderland Branch of the British Pharmaceutical Students Association in his college days. He is young and energetic, qualities which are needed to combat the prevailing apathy in pharmaceutical affairs, and we feel he deserves your wholehearted support.

(MISS) M. D. THORP, *Chairman*,
J. BUNDRED, *Secretary*,
Sunderland

SIR,—The members of the Manchester, Salford and District Branch of the Pharmaceutical Society have the utmost confidence in asking all members of the Society to vote for Mr. H. Steinman in the forthcoming election of the Council of the Pharmaceutical Society. Mr. Steinman's record of service embraces every sphere in pharmaceutical practice. We in Manchester are specially favoured in having in our midst so able a counsellor, wise in negotiation, resolute and determined in character, activated by the highest of principles, and one whose motto has always been service before self. Both nationally and locally we owe a large debt of gratitude to Mr. Steinman for devoted

service extending over such a long period. During the fifteen years he has served on the Council he has fully justified and earned the confidence of the membership. Few members of the Society can show such a record of service. Despite his many commitments he has always been active in local pharmaceutical affairs, being a past-president of Manchester Pharmaceutical Association, a past-chairman of the Branch and Branch of the National Pharmaceutical Union. At the present time he is vice-chairman of Manchester Executive Council and chairman of Manchester Pharmaceutical Committee. We have two special requests to make:—(1) Exercise your vote; (2) vote wisely. With the many problems facing pharmacy at the present time it is essential that our leaders should be men of vision and integrity, and we ask all members to accord one vote to Mr. Harry Steinman.

(MISS) K. APPLEWHITE, *Chairman*
of the Branch.

C. MELVILLE, *President* of the
Association.

A. E. THORPE, *Secretary*,
Manchester

Forensic Pharmacy

SIR,—Whilst I appreciate the comments of Mr. Joseph Soap (*C. & D.*, March 24, p. 323), I am still dead against the use of inspectors by the Society for the purpose of "making an example" of fellow members, who are frequently brought before a magistrate (usually a retired colonel with no knowledge of the potency of poisons) and heavily fined for a trivial breach of the law. My "strange reasoning" prevents my acceptance of the present situation whereby a pharmacist can be fined £75 for selling a minute amount of hydrocortisone whilst his multiple competitors advertise tablets of codeine compound at a bargain price, packed in bottles of 100. Those are purchased by addicts and the Society does nothing. One can also sell chlorodyne (containing, of course, morphine) in small or large bottles without fear of a fine. However, it is obvious we must satisfy the law in every respect. The next time I sell a draught of mist. kaolin. sed. for diarrhoea, I shall make a point of sticking a shop-address slip on the customer's stomach, because the law states "the container must bear the name and address of the seller." The fact that the address-slip has to go on the actual container and not the outer wrapper will probably lead to complications!

C. H. PATRICK,
Twyford, Berks

Let the Pharmacist Now Beware

SIR,—I noted that the pages of the national newspapers of April 2 carried the information that it was the avowed intention of the present government to do away with resale price maintenance in the next two years. The usual political clap-trap is given that it will reduce prices and help to fight inflation. They

are the usual platitudes of a government that increases inflation by taxation and then has to do an Oliver Twist because it cannot keep its own expenditure under control. The abolition of retail price control can only lead to cut-throat competition, the main results of which will be bankruptcy for the small traders and loss of jobs for shop assistants. Are we to return to the anarchy of the pre-P.A.T.A. period, when a certain multiple sold a bottle of Fenning's fever mixture for less than the price the wholesaler charged for it at dozen rate? Now is the time for all pharmacists, and indeed all small shopkeepers, to write to their Party political headquarters and make their views known. I certainly intend to ask the Central Conservative Office if they would rather have the rates of thousands of small traders or the few of the millionaire cut-price, super market owners, and to ask if it is the Party's intention to leave thousands of their supporters to the (tender)? mercies of these wolves in sheep's clothing. On the answer we receive should the direction of our votes be based.

T. SHELLEY, *Director*,
SAMUEL SHELLEY, LTD.,
Bilston

Becoming More Professional

SIR,—Today, within a few weeks of the 1962 Branch Representatives' meeting, I feel constrained to put my thoughts on paper in an attempt to define the rôle of the pharmacist as one of a team, in company with the doctor, dental surgeon, veterinary surgeon, nurse and other dedicated medical ancillaries on whom human and animal welfare depends. All of us have a common purpose in seeing that our hardly acquired knowledge is applied for the betterment of human and animal welfare. Most of us expect an adequate financial and vocational reward in return for years of study and a career of public service that could not continue under the monopolistic systems of capitalistic price agreements or trades union restrictions. In the past there have been economic rivalries between those practising in the different fields of human and animal medicine. Now and in the future there is no longer any need for these rivalries to exist, because under conditions of modern economic welfare we are faced with an increasing scarcity of trained medical and veterinary personnel. This is not due to restrictive practices on the part of our professional bodies, but because only the dedicated are encouraged to enter the medical and ancillary professions. The entrants to these professions are dedicated because they are prepared to spend the best years of their lives in academic study and *all* their working lives at the call of those who need their skilled services. I might say we spend our total lives devoted to our work, for most of us die in harness. Those of us in pharmacy have to consider our present and future position in a different light from our fellows in the allied medical professions, for we alone have a historical background of mainly trading and only partly professional activities. Our future will be concerned with mainly professional and subordinate trading activities.

Because we are trained to dispense and recommend medicines to the public we must, in the public interest, undertake the ethical obligation of refusing a sale if in our opinion a customer should consult a doctor or veterinary surgeon. In the past the exercise of this ethical obligation has been economically possible by reason of the retail pharmacist's virtual monopoly of "traditional" articles of sale, simple medicines, toilet requisites and photographic materials. The Government (and it would have been no different whether Labour, Conservative or Liberal) has made it clear that it is in the public interest that our traditional subsidies are made freely available through all retailers. There has been no substantial dissension between political parties on this issue, whether from ideology or vote-catching motives, so it should be clear to *all* members of the Pharmaceutical Society at the forthcoming meeting that we can only retain our professional identity if we secure the full implementation of the report on the General Practice of Pharmacy, that we accept the Society's discipline in professional matters, and that we expect the full backing of the Society if any of its members should have aroused the criticism of the public in fulfilling his professional duty. May I leave readers with a thought for the future? Authoritative medical writers have recently drawn attention to the acute shortage of general practitioners occasioned by population increase over the next twenty years un-

accompanied by commensurate expansion of facilities for training doctors. The demands of all branches of technology are so great that even an inspired government could not make up the deficiency in this time. Is it too idealistic to suggest that a professionally rewarded pharmacist could prescribe (or recommend) non-scheduled poisons and simple medicines to members of the public in full co-operation with local general practitioners, who would thus be freed to treat serious illness? In this field there is scope for full co-operation between the Society and the General Medical Council. With this co-operation we could leave the question of retailing dubious "patent" medicines, toiletries and ancillary counter lines to big business and the Government of the time, happy in the knowledge that pharmacy was not a party to a public swindle.

KEITH JENKINS,
Bovingdon, Herts

Appreciated

THE *C. & D.* is the highlight of my week-end reading.—*A.G.M.*

MAY I take this opportunity of expressing my thanks to you for your services throughout the time I have taken the *C. & D.*—*L.L.J.*

I HAVE received the *C. & D.* for some forty-one years and have taken interest in the improvements and additions from time to time, and especially the Price List, which is invaluable.

A HOMŒOPATHIC CENTENARY

Origins and migrations of a West-end pharmacy

CLAIMING to be "the first manufacturing homoeopathic chemist in Great Britain" the business of Keene & Ashwell, Ltd., is this year celebrating the centenary of its West End existence. In 1862 its founder, W. Headland, set up in Princes Street, Hanover Square. For many years before that he had been preparing homoeopathic remedies at premises at Gray's Inn Road, so from that point of view the business can be regarded as well over the hundred. The name of the founder persists in the name of one of the products, Headland's Anthoxum, "prepared only"—and still sold—by his successors.

The Princes Street business was acquired in 1878 by Keene & Ashwell, 74 New Bond Street, to which address the business was transferred. In 1905 it removed to 6 South Molton Street. In 1909 Mr. G. G. Barley, M.P.S., came into the business as a qualified assistant. In 1929 he acquired a majority of shares in the company and transferred the business to New Cavendish Street, W.1. Externally the pharmacy today looks much like any other. Goods are displayed in its window, though only as an innovation introduced by the present manager (and a director of the company) Mr. Howard. (Another director (Mr. Barley), retired in 1961 from day-to-day participation in the business after fifty-two years.) Internally the most striking difference is that the shop rounds on the shelves are still in daily use in preparing the homoeopathic remedies, whether for customers who call or for those who send in for them



Former premises at 6 South Molton Street.

by post. One series of rather larger containers, in a handsome light blue glass and with gilt caps, attracts many offers to purchase, especially from American visitors. Tablet triturates are made in great numbers on the premises, as are all the well-known dilutions characteristic of the homoeopathic system. Chests and wallets for selected ranges of products, though not often called for today, are still kept in stock for the occasional customer, and books and periodicals on homoeopathy, radesthesia, herbal remedies and the like are set out on a stall for sale. There is also a certain "trade" demand to satisfy—the preparation of homoeopathic remedies for chemists up and down the country. A tincture press is still in use, especially for calendula preparations.

COUNCIL'S VIEWS ON BRANCH RESOLUTIONS

Comments published on the 1961 motions

THE Council of the Pharmaceutical Society of Great Britain has reported on the resolutions passed at the Branch Representatives' meeting in May 1961.

Professional Conduct

The meeting referred back the section of the report of the Council on resolutions passed at the Branch Representatives' meeting in May 1960 under this heading.

The Council have reconsidered the suggested procedure for dealing with failure to observe the advice of the Council on the supply of certain drugs, and have decided to shorten the procedure. It is now proposed to proceed as follows: In the event of evidence being received that a pharmacist is not observing the advice he will be approached to ascertain the reason for non-observance. If his explanation is inadvertence or mistake or some other indication that he had no intention to disregard the advice he will be warned that he should take particular care in future but apart from this no further action will be taken. If no such explanation is forthcoming he will be told that if he continues to persist in his attitude the Council will make a complaint to the Statutory Committee.

Diplomas in Pharmaceutical Technology

That it is the opinion of this meeting that the Council of the Pharmaceutical Society of Great Britain should come to no final decision regarding the recognition of Diplomas in Pharmaceutical Technology until an opportunity has been given for full discussion of this subject at Branch level.

The Council have noted this resolution. The present position has been stated in the Society's evidence to the Committee on Higher Education. The following is an extract from that evidence:—

As might be expected in view of the attractions offered by a degree as a route to qualification this coming together of the requirements of the two routes has been accompanied by a corresponding movement in the proportion of students taking degrees which today is more than 50 per cent. This proportion would undoubtedly have been higher by now if there had been more university places available. While it is the intention and duty of the Society to continue to offer to pharmaceutical students the opportunity to qualify as pharmacists by means of its own examination, it is evident that it is the number of places for degree courses which mainly determines the route which students take to qualification. The future of the Colleges of Advanced Technology of which five, namely those at Birmingham, Bradford, Bristol, Cardiff and Chelsea have schools of pharmacy is particularly important in this connection. When the proposal to institute diplomas in technology was first put forward the Society took the view that existing facilities for qualifying in technology, namely by university degrees, college diplomas and examinations of professional bodies, were adequate as a basis for developing technological education. When the decision to establish such diplomas was taken the Society examined the situation so far as pharmacy was concerned, but was not satisfied that there was sufficient demand to justify support for a diploma in pharmaceutical technology. There might also be a constitutional difficulty in recognising such a diploma for admission to the Registrar of Pharmaceutical Chemists, a condition which all concerned felt

was essential if the diploma was to have any appeal. In consequence of these considerations the question has remained in abeyance. If the proposal to give degree-granting powers to Colleges of Advanced Technology is accepted the matter will be looked at again in the light of the new situation.

Post-graduate Trainees

That it is the opinion of this meeting that the Society should maintain a register of those persons who are willing to accept post-graduate trainees.

Apart from those from overseas it is most unusual for students to ask for the Society's help in obtaining practical training. Inquiries show that with one or two exceptions all schools of pharmacy make arrangements for the practical training of their students and it is common practice for employers who can offer practical training to contact schools of pharmacy direct. On other occasions Branch secretaries have been able to advise and help students in the Branch area and it seems to the Council that such arrangements being made locally are more satisfactory than the maintenance of a national register. The suggestion was put to the last annual meeting of Heads of schools of pharmacy and all agreed that few students ever experienced difficulty apart from those who insist on training in a particular branch of pharmacy, commonly the pharmaceutical industry.

Council's Relations with Branches

That it is the opinion of this meeting that a representative of a Branch which has had a resolution adopted at a Branch Representatives' meeting be invited to attend and contribute to the meeting of the Committee of Council at which the resolution is discussed.

That it is the opinion of this meeting that the Council should, if it has failed to take effective action upon any resolution passed at the previous Branch Representatives' meeting, notify the Branch which submitted the resolution in time for the Branch to re-present it, and should accept it for discussion, at the next following Branch Representatives' meeting and, further, the Council should arrange for one or more of its members to be present at that meeting to explain the reason for the Council's failure to act upon the resolution.

That it is the opinion of this meeting that the apparent lack of consideration shown by the Council for resolutions considered, discussed and passed by Branch Representatives' meetings is one of the main causes of the declining interest shown by members in their Society and profession which is detrimental to . . . both.

That it is the opinion of this meeting that during the Branch Representatives' meeting, chairmen of Council subcommittees should be present on the platform and that it should be their duty to answer questions relevant to their particular committee.

Those resolutions reflect concern about the relations between the Council and the Branches in connection with the Branch Representatives' meeting. In the Council's view it is one aspect of the larger question of relations between the Council and the membership. The Council attach much importance to improvement in the relations and considerable thought has been given to the matter. It is one which needs detailed discussion and the Council consider that the most suitable occasion for this would be the next Branch Secretaries' meeting to be held in Octo-

ber. As already announced, that meeting is to occupy a full day, and the Council propose that it should be devoted mainly to this subject.

Packing of "Ethical" Products

That it is the opinion of this meeting that the Council should approach the Association of British Pharmaceutical Industry with a view to ensuring that ethicals which are available both over the counter and on EC10 prescriptions are packed in such a manner that when dispensed the name of the manufacturer is removable with ease.

The problem has been approached on the basis of a study of the actual practice within the industry. As a result the Council are satisfied that there is no practical difficulty in so packing proprietary preparations that they can be dispensed in a suitable manner and the matter is being taken up with the Association.

The Society's Powers

That it is the opinion of this meeting that steps should be taken to enable the Society to exercise full activity in the interests of all pharmacists.

That it is the opinion of this meeting that the Society be urged to take all possible steps to overcome the effect of the judgment in the Jenkin case.

When the motions which were the basis of these resolutions were being discussed at the Branch Representatives' Meeting the secretary and registrar explained the position of the Society in relation to the Jenkin judgment and its implications. On the basis of that analysis of the situation the Council decided to approach other pharmaceutical organisations with a view to setting up a co-ordinating committee for pharmacy. Invitations were sent to the Association of the British Pharmaceutical Industry, the Company Chemists' Association, the Co-operative Union, the Guild of Public Pharmacists and the National Pharmaceutical Union. A meeting of representatives of those organisations has agreed that such a committee should be formed and a further meeting is to be held in May.

Scale of Dispensing Fees

That it is the opinion of this meeting that as the National Pharmaceutical Union no longer publishes a scale of professional fees the Society, in common with other professional bodies, should establish a scale of fees.

The Council have appointed a special committee to consider and report upon a scale of professional fees.

Society's Journal

The National Pharmaceutical Union has been asked to provide the *Pharmaceutical Journal* with as full information as possible of its activities.

A "Branch of the Month" feature is accepted in principle as a valuable way of developing interest in Branch activities. The work and cost involved would, however, be much greater than might appear at first sight. The ideal "Branch of the Month" article would be on the lines of the Supplement on Portsmouth published in the *Pharmaceutical Journal*, July 15, 1961. The Council consider that a more modest effort is as far as they can go initially.

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at
28 Essex Street, Strand, London, W.C.2

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Small Comfort for Exporters

THE chief criticism of the Budget proposals (see p. 390) must be that they again offer no incentive to increase exports. Certainly the reduction in purchase tax will help to increase turnover in the home market and so increase throughput, but the tax rates are in the main only back to where they were a year ago. As publishers of a price list, we have reason for relief that the surcharge has gone, and though the Chancellor is retaining powers to inflict it again on the country, we may hope that that course will not be necessary. The bringing-in of a class of goods hitherto exempt from tax at the lower end of the tax scale (15 per cent.) is seen by many as a step preparatory to entering the Common Market.

One paragraph which appeared out of context in the Chancellor's financial statement has caused a good deal of confusion. It said that drugs and medicines "will be temporarily exempted from purchase tax pending the making of a Treasury Order . . ." To date, manufacturers of drugs (mostly new products) who believe that any particular item should be exempted normally apply for exemption, submitting particulars, which fall to be studied by either the Ministry of Health (if a medical product) or the Ministry of Agriculture, Fisheries and Food (if a veterinary product). If the Ministry's recommendations are favourable, the Customs and Excise, at approximately three-monthly intervals, issues a Statutory Instrument exempting all the products so approved in the period since the last Order was made. Thus the manufacturer has had to await the publication of the next Statutory Instrument. Now, under the new provisions, the Customs will notify the manufacturer so soon as the approval is given, and he will be granted a temporary exemption for, say, fifteen months. We may expect the new S.I.'s now to appear only at about yearly intervals.

The Treasury's Economic Survey, which is published each year a few days before the Budget, is designed to provide the background of the country's economic position. The 1962 issue (p. 389) stated that the foremost aim of economic policy in 1962 must be to maintain conditions in which exporters in the United Kingdom can take advantage of the opportunities open to them to achieve a greater expansion in their sales. The survey believes that "those opportunities are good but they will be missed if export goods are not competitive." It is extremely difficult to see how the Budget will help the British exporter to be in a position to be more competitive.

When the storm has died down over the taxing of children's sweets, it may well be that the remarks of the Federation of British Industries will be remembered. That body's succinct description of the Budget was "Uninspiring at a moment when inspiration is badly needed."

Traders' Views on a Decimal Coinage

THE National Chamber of Trade, in its recommendations to the Committee of Inquiry on Decimal Currency, has stated that within its membership, representing approximately 450,000 traders, there was more support for a 10s.-cent system of coinage decimalisation than for any other of the four systems that were under consideration.

The 10s.-cent system requires the creation of a new unit equivalent to the present 10s. The unit is divided into ten shillings and each shilling into ten pence or cents. Beyond that breakdown it was appreciated that it would be necessary to permit and to recognise fractions, but it was suggested that, in the currency system, the fractions should not be specifically named. It was proposed that there should be notes for one, two, five, ten and twenty-five units, "silver" coins for 50 and 20 pennies, nickel coins for 10 and 5 pennies, and copper coins for 3 pennies and one penny.

In one district a committee of representatives of local chambers of trade had suggested a new unit, to be called a Royal (or a crown), with a value equal to the present 5s., an arrangement that would lend itself to decimalisation with 100 cents equal to one "Royal." It was contended that such a system would call for less alteration to coin-operated machines and would be easily understood by the public.

Some members of the chamber had at first thought that an interim period of seven years would be required before a decimal system of coinage could be introduced. A majority now consider only five years would be required from the decision to make the change-over to the date of operation.

One point that "emerged quite clearly" from the inquiries of the National Chamber of Trade was that any change-over should be viewed from the point of view of its future suitability rather than from its relationship to the present system, a view that we fully endorse. It is essential that any new system of coinage introduced is a sound and satisfactory one for all foreseeable time. The problems to be encountered during a change-over are, as we recently indicated when referring to the experience in South Africa (see *C. & D.*, March 10, p. 273), not insurmountable, but the upheaval is too costly to be repeated.

100 YEARS AGO

A FEW REMARKS ON THE BUDGET

From the C. & D., April 15, 1862

A FEW remarks upon the programme of the Chancellor of the Exchequer may not be considered out of place. It is very gratifying to be assured in chaste and eloquent language of the social prosperity of the nation, despite the many disturbing causes which have characterised the past year; but it is *not* so satisfactory to be informed that the surplus is so small as to admit of only an insignificant remission of taxation. The income tax . . . will still remain a source of inquisitorial vexation, and . . . the only consolation offered by Mr. Gladstone was, that "Bad harvests, distress in the country, great commotions abroad, may bring upon us the evils of fresh taxes."

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

DOCTOR-PHARMACIST RELATIONSHIP

Council proposes extension of Code of Ethics

THE Council of the Pharmaceutical Society of Great Britain is submitting to the annual meeting of the Society on May 16 a paragraph dealing with doctor-pharmacist relationships and is seeking approval to include it in the Statement on Matters of Professional Conduct. The wording of the proposed paragraph is as follows:—

While the closest professional co-operation between pharmacist and doctor is desirable, it is another question where a business relationship between them is concerned. In general such a relationship is contrary to the interests of the two professions and should be avoided. Without prejudice to its applications in other cases, the following are regarded as examples of conduct at variance with this principle:—

- (a) Where a pharmacy is owned by a corporate body or in Scotland a partnership in which a medical practitioner practising in the same district has a financial interest.
- (b) Where a pharmacist and medical practitioner occupy accommodation in the same building and there are no complete internal separation of the accommodation, no separate addresses and no separate means of access from the street.
- (c) Where, when both are practising within the same district, a pharmacist is the tenant of a medical practitioner in respect of premises used as a pharmacy or a medical practitioner is the tenant of a pharmacist in respect of premises used as a surgery, provided that this shall not apply where it is clear that such a tenancy did not arise from the deliberate intention of either party, for example by inheritance of property.
- (d) Where the occupancy of accommodation by the pharmacist and medical practitioner in the same or adjacent premises for professional purposes has occurred as the result of either party approaching the other with the object of acquiring such accommodation.
- (e) Where a pharmacist has an arrangement with a medical practitioner whereby the latter tells his patients to take prescriptions to the pharmacist or whereby in the absence of any special circumstances the medical practitioner sends him prescriptions by other means.

Notwithstanding what has been said above there may be special circumstances in which, subject to suitable safeguards, a business relationship would be justified in the public interest, and if the Council were satisfied that a particular proposed arrangement was in that category they would raise no objection to it. It cannot be too strongly emphasised that only in the most exceptional circumstances would the Council feel there was sufficient ground to take this course.

The recommendation was submitted by the Ethical Committee at a meeting of the Council held in London on April 3 and 4. The Ethical Committee also considered a suggested arrangement, to assist a village in which the only pharmacy would shortly close down, for a collection and delivery service from pharmacies of the nearest town. The Council decided that, subject to suitable safeguards, the arrangements could properly be made.

THE REGISTRAR reported that sixteen members had been nominated and had accepted nomination for the forthcoming election to the Council (see *C. & D.*, April 7, p. 363). He also reported that the following members had been nominated for election as auditors and had accepted nomination: Messrs. H. Treves Brown, London; A. Forsyth, Edinburgh; J. C. Hanbury, Ware, Herts; H. Jephcott, Greenford, Middlesex; and L. G. Matthews, London.

Arrangements for a short course for lecturers in pharmaceutical subjects organised by the Ministry of Education and the Society to be held at the College of Technology, Loughborough, April 9-12, were reported.

The Education Committee recommended and the Council approved that authority should be given to pay any nominal fee for exhibition space where a branch wished to participate in promoting pharmacy as a career. It was also agreed that the value of the Society's research awards should be raised to £450 a year or £500 for a third or final-year student.

It was recommended to publish the evidence submitted to the Committee on Higher Education (Robbins Committee) on behalf of the Society.

It was reported that persons holding the British qualification who wished to register in Ghana would now be required to pass an examination in the local pharmacy laws, and it was recommended that publicity should be given to that requirement.

The nomination of Mr. G. T. M. David as the Society's representative on the governing body of the Welsh College of Advanced Technology, Cardiff, was confirmed.

MR. T. HESELTINE (chairman of the Benevolent Fund and War Aid Committee) reported that a letter had been received from the North Staffordshire Branch suggesting the gift of a sundial for Birdsgrove House as a memorial to the late Mr. H. Clement Shaw; the Committee gratefully accepted the suggestion. A legacy for £100 for the Benevolent Fund had been received from the estate of the late Mr. A. J. Somers, Chislehurst.

In presenting the special list of contributions to the funds, THE CHAIRMAN drew attention to a contribution of £125 from Cheltenham. That sum had been raised chiefly by the wives of members in Cheltenham who worked hard year after year for the Benevolent Fund. He said mention should also be made of the sum of £25 to the Birdsgrove House Fund contributed by friends of the late Mrs. J. K. Irvine.

Public Services Committee

The Public Services Committee, having considered replies to letters sent to members who had requisitioned a special general meeting to consider the situation caused by the decision of the Minister of Health to reduce the remuneration of contractors under the National Health Service, recommended that arrangements should be made for such a meeting (see p. 389).

The Public Services Committee also recommended that a report upon an examination by the Department of Pharmaceutical Sciences of pharmaceutical specialities, in relation to the problem of dispensing such products, should be sent to the Association of the British Pharmaceutical Industry with a request for a discussion on the matter. Both recommendations were adopted.

Following a report by the Publications Committee that they had examined advertisements for smoking deterrents containing lobeline, the Council considered whether any active steps could be taken to advise members on the efficiency of such preparations. No decision was reached but the following points were made in the course of a general discussion on the relationship between lung cancer and cigarette smoking:—(a) Industrial concerns, including some manufacturing chemists, were taking steps to prevent young people from starting the smoking habit; (b) persons responsible for organising meetings could ban smoking at those meetings; (c) advertisements for cigarettes had never appeared in the Society's journal, nor should they be accepted in future; (d) the report by the Royal College of Physicians did not disclose anything that had not been known for the past five or six years, but the publicity it had received had underlined the importance of the subject in the public mind; (e) in the same way that pharmacists had assisted in informing members of the public about immunisation, chest x-rays, etc., so they could now educate their customers on the subject of the relationship between lung cancer and cigarette smoking; (f) there should be no curtailment of the liberty of the individual to decide for himself whether or not he should smoke.

The recommendations in the minutes of the Finance, Law and Publications Committees were adopted.

PERFUMERY AS A TEACHING SUBJECT

Constructing a course for pharmaceutical students

T. J. BETTS, B.Pharm., A.R.I.C.

ALTHOUGH the idea of designing a short course on perfumery is apt to provoke scornful comment in academic and industrial circles, the subject is possibly the most ancient branch of pharmacy, and of interest to most pharmaceutical students. Neglected perhaps because it is difficult to teach, perfumery is by some regarded, too, as an effeminate craft. However, perfumes are an important part of modern living—and not only for women, for men also have their range of perfumed toilet goods. In addition perfumes are included in such common household items as detergents and shoe-polishes.

It is probably true that perfumers, the people who design and control the production of perfumes, are born with the gift of "a nose" that can remember, identify and compare smells, but that is no reason why every student of pharmacy should not have the chance to examine and smell some of the many materials used in modern perfumery, and have some idea of their uses and combinations. The main problems involved in designing a course of instruction in perfumery are: to know which few of the many hundreds of substances used are worth mentioning, to design practical experiments, and to obtain specimens for the students to examine. Many industrial organisations connected with perfumery are, however, willing to supply small quantities of perfumery materials to educational bodies, whilst some of the rarer, expensive substances such as musk and its associated specimens may often be found in pharmacognosy museums.

From the theoretical aspect, two or three hours of lecture time are needed to attempt to cope with the subject, which is perhaps best made to follow a series on essential oils. The lectures might well include a brief historical survey of the development of perfumery; a general account of the components of perfumes both natural (animal and vegetable) and chemical (isolates and synthetics) and their uses as bases, blenders, sweeteners and fixatives (the problem of fixation, making a perfume long-lasting, is especially interesting; possibly being a fruitful field for research); attempts to classify odours by similarities, octaves, numbers, taste and duration of evaporation; and possibly the rather controversial theory of Jellinek concerning the use of unpleasant-smelling substances in perfumes. The lectures should also include what must be, unfortunately, rather a catalogue of substances used in perfumery, though it should be enlivened by the passing round of the substances mentioned so that the class may smell them, as it is impossible to describe a smell. The author considers that the substances below should be mentioned, and has made an attempt to classify them.

ANIMAL PRODUCTS

Used mainly as fixatives, in alcoholic solution.

AMBERGRIS. A mildly balsamic-smelling grey solid, surely one of the most romantic materials used in perfumery? The Ancients made up many ingenious stories to account for its origin, but none could be so fabulous as the result of an unwilling combination by whale and squid.

CIVET. Anything but romantic, being produced by unpleasantly situated glands of the civet cat. This disgustingly odorous, buttery solid (with a more floral odour on dilution) is exported from Ethiopia in the traditional package of hollow buffalo horns.

MUSK. Formerly the product of a male musk deer, the glands were once exported from China in beautiful tin and silk packages. Now obtained from muskrats, whose glandular secretion may be processed to give compounds closely similar to the important constituent of musk. They are long-chain alicyclic ketones, and a compound of that type

is also the important constituent of civet. Musk has an intense, sweet smell, and being much used in perfumery, many artificial musks, unrelated chemically to natural musk, have been patented, including compounds similar to T.N.T.

VEGETABLE PRODUCTS

1. **SULTRY-SMELLING:** Rather unpleasant smelling in themselves, but important constituents of the best perfumes.

(a) **JASMIN OIL.** Classic example of the *enfleurage* method of extraction of essential oils by solid solvent. Contains about 65 per cent. benzyl acetate.

(b) **NEROLI OIL.** Steam-distilled from bitter-orange blossom. Odour due particularly to the approximately 10 per cent. methyl anthranilate that it contains. *Petitgrain oil* is a cheaper substitute distilled from the leafy twigs of the same tree.

(c) **YLANG-YLANG OIL.** Steam-distilled from *Cananga* blossom. A complex mixture with an odour reminiscent of jasmine.

2. **SWEET SMELLING:** Used to sweeten perfumes.

(a) **ROSE OIL.** The attar or otto of rose produced by steam distillation of rose petals in Bulgaria, and exported in characteristic flat, circular, cloth-covered tins. The honey-sweet-smelling liquid does not truly represent the natural perfume, as it is almost devoid of the water-soluble substance phenylethyl alcohol, which is lost in distillation. The odour is due to citronellol and geraniol, which form approximately 60 per cent. and 15 per cent. of the oil respectively.

(b) **ROSE ABSOLUTE:** The result of liquid solvent extraction. A liquid with the true rose odour, containing up to 65 per cent. phenylethyl alcohol.

(c) **GERANIUM OIL.** Steam-distilled from pelargoniums. Resembles rose in odour, and is a substitute for it, being less expensive by far. Contains approximately 40 per cent. each of citronellol and geraniol. Palmarosa and citronella oils (steam-distilled from *Cymbopogon* grasses) are cheaper substitutes still, containing higher percentages of geraniol. They are used for soap perfumery.

3. **FRESH SMELLING:** Important constituents of toilet waters, and used to provide perfume "top notes," the smell first noticed in a perfume.

(a) **BERGAMOT OIL.** Machine-expressed from citrus peels in southern Italy. A yellow-green oil with a superbly refreshing odour, and a constituent of the best eaux de Cologne (more correctly, Kölnischwasser). Contains about 45 per cent. linalyl acetate.

(b) **LAVENDER OIL.** Steam-distilled from the flowers. Has a refreshing, sweet odour, the English oil being sweeter than the French. Contains about 60 per cent. linalyl acetate. *Spike lavender oil* is a cheaper, more camphoraceous substitute, being distilled from inferior species.

4. **SPICY SMELLING:** Used for "oriental" notes and for fixation. The resins are used in alcoholic solution.

(a) **OAKMOSS RESIN.** A semi-solid, dark green resin obtained by solvent extraction of lichens growing on oak and spruce trees. Having a fern-like odour, it is an important fixative for *Fougère* (fern) and *Chypre* (Cyprus, apparently!) perfumes.

(b) **OPOPONAX RESIN.** A liquid oleo-resin obtained by solvent extraction of the oleo-gum-resin exuded by certain *Commiphora* species ("sweet myrrh"). It has an odour reminiscent of ambergris, and with other resins such as *benzoin* and *myrrh*, was much used as a fixative in perfumes after the 1939-45 war.

(c) **PATCHOULI OIL.** A semi-solid, brown oil steam-distilled from *Pogostemon* tops. Has a woody smell and is used as a fixative.

(d) **SANDALWOOD OIL.** Steam-distilled from the heart-

wood of species of *Santalum* trees in the Far East. Used for its fixative properties in cassie and violet compositions.

(e) VETIVER OIL. A semi-solid, brown oil steam-distilled from *Vetivera* grass roots. Has a potato-like smell and is used as a fixative.

CHEMICAL COMPOUNDS

These perfumery substances may be isolated from natural products or be completely synthetic creations. They are divisible into aromatic substances, terpene derivatives, and aliphatic compounds. From the account of natural vegetable products above, it is apparent that alcohols and their esters are important odorous compounds. However, many aldehydes and ketones are synthesised, as they have intense odours; many occur in traces in natural products.

1. AROMATIC COMPOUNDS: Many of these substances possess double bonds in the molecule, sometimes more than one set, and sometimes conjugated with the aromatic nucleus, but it is difficult to relate olfactory stimulation to chemical structure. The following compounds are arranged in roughly decreasing order of complexity.

(a) AMYL CINNAMIC ALDEHYDE, $C_6H_5-CH=CH-CH=O$ ($-C_{11}H_{11}$). A synthetic liquid with an intense jasmine odour, though not a natural constituent of jasmine. Used as a base for artificial jasmins (only a small percentage of the final composition!).

(b) BENZYLIDENE ACETONE, $C_6H_5-CH=CH-C^1=O$ ($-CH_3$). A synthetic solid with a "sweet-pea" odour (a natural sweet-pea isolate is not available) and fixative properties.

(c) METHYL NAPHTHYL KETONE, $C_{10}H_7-C^1=O$ ($-CH_3$). A synthetic solid with a neroli odour (though not a constituent of natural neroli) and fixative properties.

(d) HELIOTROPIN, $CH_3O_2-C_6H_5-CH=O$. A solid with a "cherry pie" odour, present in *Robinia* flowers. Used for its fixative and blending powers (the ability to soften the harshness of a base).

(e) METHYL ANTHRANILATE, $NH_2-C_6H_4-C^1=O$ ($-OCH_3$). A liquid with a neroli odour. A natural constituent of neroli, jasmine and ylang-ylang, and therefore required for artificials of those oils.

(f) ETHYL PHENYLACETATE, $C_6H_5-CH_2-C^1=O$ ($-OC_2H_5$). A liquid with a sweet musky odour, used as a blender. Phenylacetic acid is a natural constituent of rose and neroli.

(g) PHENYL ACETALDEHYDE, $C_6H_5-CH_2-CH=O$. A synthetic semi-solid with an intense "sweet-pea" odour, used to give "floral character" to compositions.

(h) BENZYL ACETATE, $C_6H_5-CH_2-O-C^1=O$ ($-CH_3$). A liquid with a fruity, jasmine odour. A natural constituent of jasmine and ylang-ylang, and therefore required for artificials of those oils, being a base for jasmine.

(j) PHENYL ETHYL ALCOHOL, $C_6H_5-CH_2-CH_2-OH$. A liquid with a sweet, rose odour. Main constituent of rose absolute, and the base of artificial rose perfumes.

2. TERPENE DERIVATIVES: Modified, oxygenated diterpenes. Whilst most of the aromatic compounds used in perfumery are synthesised, even though they occur in nature, the naturally occurring terpene derivatives are isolated from natural products, as they have optical or stereo-isomers, and one form is preferred to the other.

(a) GERANIOL $(CH_3)_2-C=CH-CH_2-CH_2-C(CH_3)=CH-CH_2-OH$. A liquid with a delicate rose odour which is a natural constituent of rose, geranium, palmarosa and citronella oils. It forms the basis of artificial rose perfumes. The superior stereo-isomer is called nerol.

(b) GERANYL ACETATE. A liquid with a rose-lavender odour, a natural constituent of lavender, citronella, neroli and other essential oils, and used as a sweetener.

(c) CITRONELLOL, $(CH_3)_2-C=CH-CH_2-CH_2-CH(CH_3)-CH_2-CH_2-OH$. Dihydrogeraniol. A liquid with a sweet, rose odour, the basis of artificial rose perfumes. The *l*-form (sometimes called "rhodinol," though that may be a mixture with geraniol), which occurs in rose and geranium oils, is preferred. The *d*-form occurs in citronella oil.

(d) α -IONONE, $(CH_3)_3-C_6H_8-CH=CH-C^1=O$ ($-CH_3$). A

monocyclic ketone compound synthesised from citral (the aldehyde corresponding to geraniol) and acetone. Usually available as "ionone 100 per cent.," a mixture of the α - and β -isomers. The mixture is a liquid with an intense odour of violets or orris, and is used as a sweetener.

(e) LINALOL $(CH_3)_2-C=CH-CH_2-CH_2-COCH_3-CH=CH_2$. Isomeric with geraniol. A liquid with a lavender-lily odour, a natural constituent of lavender, bergamot, neroli and rose oils. Basis of artificial lavenders, and one of the most commonly used chemicals in perfumery, being an important blender.

(f) LINALYL ACETATE, a liquid with a refreshing lavender odour, being the principal natural constituent of lavender and bergamot oils. Together with linalol, with which it is commonly used, it forms the basis of artificial lavender perfumes.

(g) TERPINEOL, $CH_3-C_6H_8-C(CH_3)_2-OH$. A monocyclic alcohol isomeric with geraniol and linalol. A liquid with a "lilac" odour. A natural constituent (the α -form) of neroli, geranium and bergamot oils. Used as a base in lilac and lily compositions, natural isolates of those flowers not being available.

(h) HYDROXYCITRONELLAL, $CH_2OH-CH(CH_3)-CH_2-CH_2-CH_2-CH(CH_3)-CH_2-CH=O$. A liquid with a powerful "lily-lilac" odour. One of the most remarkable synthetic discoveries in perfumery. It has not been isolated from lily-of-the-valley flowers, but forms the basis of all "muguet" (lily) perfumes and lilac compositions, and is used in many others as a blender.

3. ALIPHATIC COMPOUNDS: These compounds are of much less importance than the two groups of chemical compounds above. They are straight-chain or slightly branched aldehydes and ketones.

DECYL ALDEHYDE, $CH_3-(CH_2)_8-CH=O$. A liquid with an intense, fatty, neroli odour, which has been isolated from neroli and orris. It is used in traces to improve artificial neroli and other compositions.

The student, having now been introduced to the materials commonly used in perfumery, is now in a position to experiment for himself. Experiments should be performed with drops of liquids and tiny particles of solids to economise on materials, for the results will still be very odorous. Cleanliness in handling the materials is also important.

Experiments

The fixation power of, say, patchouli, sandalwood and vetiver oils for, say, bergamot, geranium and lavender oils can be studied by mixing each of the first three with each of the last three oils, smelling the nine mixtures periodically, and noting which retains the odour of bergamot, geranium or lavender the longest. Further experiments using chemical compounds represent an attempt to create floral compositions simply. The products, though crude, improve like all perfumes if they are diluted with absolute alcohol and kept for a while. The formulas represent proportions of ingredients, and the products may be made up in drops of liquids, smelling the mixture at each stage (preferably on pieces of filter paper).

(i) ARTIFICIAL LAVENDER. Base: Linalol 7, linalyl acetate 7. Blended with geraniol 2, geranyl acetate 2. Fixed with a trace of benzylidene acetone. Improved by the addition of a little lavender oil.

(ii) LILY-LILAC COMPOSITION. Base: Hydroxycitronellal 7, terpineol 7. Blended with linalol 2, linalyl acetate 2. Fixed with a little heliotropin.

(iii) ARTIFICIAL JASMIN. Base: Benzyl acetate 8, amyl cinnamic aldehyde a trace. Blended with linalol 2, linalyl acetate 2, hydroxycitronellal 2. Fixed with a trace of artificial musk. May be improved by the addition of a trace of decyl aldehyde and indole.

(iv) ARTIFICIAL ROSE. Base: Phenyl ethyl alcohol 4, citronellol 6, geraniol 6. May be improved with a trace of decyl aldehyde. The basis needs no blenders, but the student may experiment with fixatives.

(v) SWEET-PEA COMPOSITION. Base: Phenyl acetaldehyde 2, benzylidene acetone a trace (also acts as fixative). Blended with ethyl phenylacetate 1, terpineol 3, hydroxycitronellal 3, linalol, 4, methyl naphthyl ketone (also as fixative) a trace.

The floral compositions made in the experiments should be compared with commercial products, if those are available. The student might then like to devise his own.

RECOMMENDED BIBLIOGRAPHY

Poucher, W. A. "Perfumes, Cosmetics and Soaps," volumes 1 & 2 (Chapman & Hall, Ltd.).

Jellinek, P. "The Practice of Modern Perfumery," translated and revised by A. J. Krajekman (Leonard Hill, Ltd.).

Butterfield, D., Pickthall, J., and Botfield, W. C. "Essential Oils and Perfumery Raw Materials." *Pharmaceutical Journal*, 1957, 179, 503; 1958, 180, 159, 291 and 439; and 181, 145 and 319.

FIGURES IN THE PHARMACEUTICAL WORLD

IN England until December of this year, Mr. Nigel Manning, Ph.C. (Sydney), B.Sc. (Melbourne), F.P.S., A.R.A.C.I., is, if the phrase may be pardoned, a most pharmaceutical pharmacist. He is here on a purely holiday visit from Victoria, Australia, where his father was a pharmacist and his wife, three brothers, daughter, son-in-law and two nephews all qualified as pharmacists. He himself is at one and the same time an active partner in a retail pharmaceutical business and part-time teacher of pharmaceuticals—a dual rôle that is usually inevitable, he points out, in a still developing country.

Mr. Manning's entry into pharmacy was by way of an apprenticeship to his father in a North Sydney business that was demolished when the Sydney Harbour bridge was built in 1931. Compelled to look around for a new business, Mr. Manning sen. acquired a Melbourne pharmacy that was advertised in the *Australasian Journal of Pharmacy*. At the age of fifty he took his family to Melbourne, 600 miles away, to start afresh. That was in the depth of the Depression.

Mr. Nigel Manning completed the course at Sydney University in 1933 and joined his father as partner until the partnership was broken by his father's death in 1941. The location of the pharmacy is on Melbourne's Flinders Street station, one of the busiest in the world (it is used by 350,000 passengers daily). In that setting there has never been any shortage of customers, though the special situation of the pharmacy has not made for regular customers or close relationships with them. At Flinders Street Mr. Manning took on his wife as an apprentice eight years after their marriage, and Mrs. Manning is now one of the partners in the business (limited-liability companies in pharmacy do not exist in the State of Victoria). A generation later their daughter (now in London where she has had pharmaceutical posts at Twickenham and Dulwich) also served her apprenticeship at the Flinders Street shop. She, too, married a pharmacist (Ian Pitman) who, having won a Kodak travelling scholarship, came to England in order to take an honours course in chemistry. Though Pitman's apprenticeship was not served at Flinders Street, two of Mr. Manning's apprentices (one of them a nephew) have also been Kodak travelling scholars and have studied in Britain.

Mrs. Manning declares that it was her husband's achievement in helping her through the qualifying examination that led to his being invited in 1947, by the dean of the College of Pharmacy at Melbourne (Mr. A. T. S. Sissons) to teach chemistry at the college! However, the invitation may have been prompted by a paper on



MR. NIGEL MANNING

hypochlorite solutions which Mr. Manning presented at Section O of the Australia and New Zealand Association for the Advancement of Science (the Australian equivalent of the British Association) in 1946. He has remained a part-time teacher (first in chemistry and later in pharmaceuticals) until his departure for England, when he took the enlightened and self-effacing decision to resign, thereby clearing the path for what he discerned to be a new stage in the advancement of the College and of Australian pharmacy, namely the replacement of the "part-time amateurs" (himself) by the full-time professional teacher.

Before joining the College staff Mr. Manning "majored" in pharmacology at Melbourne university by taking a B.Sc. degree. He has been a member

of the Pharmacy Board of Victoria for ten years and was its president, 1959-61. He is also one of the joint editors of the Australian Pharmaceutical Formulary. Mrs. Manning is secretary to the Editorial Committee of the publication, which is the Australian book of drug standards.

An enthusiast for pharmacy, Mr. Manning is yet a man of wide interests, and warm personality, easy-going in manner like many of his fellow countrymen, and well informed as to Australia's economic and political development. He has come to Britain with every intention of enjoying his stay, getting the most from a country which both he and Mrs. Manning think is "mature, experienced, kindly and with limitless 'know how' to pass on to all the other countries of the world."

Branch Discussions on "the Report"

PHARMACEUTICAL SOCIETY MEMBERS EXPRESS THEIR VIEWS

(Continued from THE CHEMIST AND DRUGGIST, April 7, p. 372)

EDINBURGH AND SOUTH-EAST SCOTLAND: MR. J. B. GROSSET (a member of Council) opened the discussion. MR. J. LIDDEL asked what was "a pharmaceutical community"? Were they hospital, retail or employee pharmacists? MR. GROSSET said it was retail pharmacists and it was their responsibility to find out what was a proper pharmaceutical service.

The question of conducting the business on departmental basis caused some doubts. MR. FRATER asked what the difference was between selling a tube of face cream and providing a full beauty treatment in a beauty salon, a film or an entire photographic outfit? MR. GROSSET pointed out that a beauty salon would be a department. The report suggested that the public on entering the premises should be aware that it was primarily a pharmacy. MR. J. C. SOMERVILLE asked if there was proof that the larger establishments were more efficient. MR. GROSSET believed that the best judge on the economic efficiency of a pharmacy was the pharmacist.

Members realised that the report recognised the need for a rural pharmacist to deal in items not approved of in larger communities.

The need for assistants in pharmacy was recognised. MR. PATERSON suggested that a certificate such as that of the City and Guilds of London might be a better examination than that of the Apothecaries' Hall. There was regret that a reference to the recognition of qualifications of an outside body should have been made in the report: some form of internal control over the assistant's qualifications would be more advisable.

LEICESTER: MR. E. A. BROCKLEHURST (a member of Council) conducted the discussion of the report at a meeting of Leicester and Leicestershire Branch of the Society on January 10. He was introduced by Mr. E. H. Butler (chairman).

Considering those sections of the report that dealt with the nature of general pharmaceutical practice, MR. BROCKLEHURST said the conclusion had been that pharmacy was a mixture of profession, trade and craft, and nothing could be gained by concluding it was not so, as set out in paragraphs 7, 8 and 9. Paragraph 20 stated that the need arose to limit the range of work. The sale of cosmetics was traditionally part of pharmacy and photographic work had started in the pharmacy and might be expected to remain there. Beyond that, other items would have to be justified.

Wines

Questions on that section of the report were invited. MR. K. EXLEY objected to the exclusion of the wines and spirits trade. MR. BROCKLEHURST answered that if that was a permanent part of the business it should remain

inconspicuously displayed. Tonic wines, however, did not fit that category. He thought it reasonable though for pharmacists to supply items outside his normal range if necessary, to supply the needs of the public in the area.

MR. A. GLEN thought baby foods and requisites had been overlooked. MR. BROCKLEHURST replied that it had been decided that was a mixture of medicine and toiletries and should be included.

MR. C. SAMPSON referred to soft drinks and cordials. MR. BROCKLEHURST stated those would be allowed as "traditionally pharmaceutical."

MR. OWEN JONES wanted to know at what point a shop became departmental. He did not see how a small pharmacy could make separate display of wines and spirits. MR. BROCKLEHURST replied, "If wines and spirits were sold it does become an outside activity that should not be undertaken at the present stage of the report. It would arise where it was part of an ordinary pharmacy and if space is insufficient for separate department there would be no objection."

THE CHAIRMAN urged the meeting to bear in mind the image to be built up in the eye of the public.

Bodies Corporate

MR. BROCKLEHURST then considered corporate bodies. He said that had given the Society much concern because limited companies might or might not be under the ownership of a pharmacist. In those instances where the owner was unqualified, a professional man must have complete control.

THE CHAIRMAN said that the idea behind the recommendations was to form a policy in the interests of the pharmacist as a person, and not in the interest of one class of pharmacist.

MR. W. C. WOOD believed one result of the report might be that district managers would be renamed "superintendents" without being given full responsibility. MR. BROCKLEHURST replied that if that part of the report were accepted by the Society these persons would be renamed and carry the corresponding responsibility.

MR. F. G. BUTLIN then said that the Society had no difficulty with the individual pharmacist, but rather with the company shareholders. MR. BROCKLEHURST said that difficulty had been caused by non-pharmacist-owner businesses.

THE CHAIRMAN pointed out that that section of the report was designed to deal with unsatisfactory supervision.

MR. D. HACKETT asked whether the locum position could not be "dignified" in some way. MR. BROCKLEHURST replied that by writing to Headquarters it was possible to obtain information on locums and help in obtaining one.

The economic considerations in paragraphs 31-40, and the limitation of pharmacies and professional co-operation recommendations (paragraphs 41-45)

were, said Mr. Brocklehurst, big and important sections. It was suggested that there should be a minimum standard of pharmacies which should be applied to meet the requirements of general practice, and that each pharmacy should have certain dispensing apparatus, and that there should be a limit below which no pharmacy should go. By pooling resources and staff, better facilities could be obtained, and co-operation was asked for. It was hoped that the Society might have legislation (paragraph 47) for the restriction or retention of premises.

Holidays and Time Off

MR. W. C. WOOD said that a pressing need of most pharmacists was holidays and time off when ill. He suggested that locums could be shared. MR. BROCKLEHURST said that was supported in the report. He believed that younger pharmacists were more co-operative than older ones, and that would help the situation. After hours service, he went on, was a controversial point. As regards twenty-four hour service, it was the chemist's responsibility to see that all medicines could be dispensed within the twenty-four hours and that supply was better organised than at present.

MR. A. GLEN said the scheme called for great co-operation by the doctor, and asserted that some prescriptions brought in late at night were not urgent. Should chemists refuse prescriptions not marked urgent, he asked. Depôts in rural areas would not justify the expense of collecting and dispensing prescriptions under present N.H.S. remuneration. MR. BROCKLEHURST did not think there was much abuse of the requirements for urgent prescriptions.

MR. C. SAMPSON mentioned rota breaking. He said it was sometimes difficult for a suburban pharmacist to keep normal hours (9 a.m. to 6 p.m.) because of the doctors' surgery hours.

MR. F. HIND felt the notices on shop doors regarding after hours service was a professional responsibility and should be displayed. MR. BROCKLEHURST pointed out that Denmark had an expensive twenty-four hour service. Patients paid double fee after 7 p.m. and a pharmacist had to sleep on the premises. The feeling of the meeting was that to provide the maximum service to the public with the minimum of inconvenience to the pharmacist more co-operation between individual pharmacists and between pharmacists and doctors was necessary.

That section of the report dealing with advertising and the appearance of premises was then considered.

MR. N. SAMPSON said that to compete with photographic shops, for example, advertising was necessary and must identify the advertiser as a chemist. Advertising could be dignified, and without it it was difficult to compete. A certain amount of advertising had to be used and identification given by the use of restricted titles.

(To be continued)

Symposium on Clinical Trials

PHARMACISTS AND DOCTORS EXCHANGE VIEWS

WELCOMING participants to the Pharmaceutical Society's symposium on clinical trials at the School of Pharmacy, University of London, on April 5, Mr. H. S. Grainger (president) said it was the Society's direct concern that substances intended as medicines should have certain standards of purity and efficiency, and that any dangers inherent in their use should be known. The rate at which new medicaments appeared was almost overwhelming; and it was natural that their promoters looked to the hospitals for clinical assessments.

Too Many Drugs to Assess

The chairman at the morning session (PROFESSOR ANDREW WILSON) said the symposium had been arranged so that subjects of mutual interest to manufacturers, clinicians and pharmacists might be discussed—particularly the information needed before new drugs were generally distributed. A vigorous and enthusiastic pharmaceutical industry had made available many new drugs and preparations, for which they had been given scant praise recently. The value of each new drug had to be assessed by clinical trial, and that depended on willing doctors and patients. Never before in medical history had there been such an abundance of raw material for therapeutic investigation. Far too many drugs awaited assessment from too few doctors.

An industrial pharmacologist, DR. A. SPINKS (pharmaceuticals division, Imperial Chemical Industries Ltd.), read the first paper: "When can Clinical Trials be Undertaken?" He underlined the principles on which they should be based. The drug submitted for trial should be worth testing. Selection on that basis would become more and more exacting—"eventually it will presumably become impossible." Its safety, stability and purity, should be established; and it should be suitably formulated.

Before being tried clinically a new drug had to be tested in animals. Insufficient attention was paid to the margin between clinical and tolerated doses. He would prefer toxicity to be expressed according to surface area, and its effectiveness in terms of body weight. Some side-effects were not discernible in animals. Toxicity should be evaluated according to the conditions under which it was to be used. When sufficient tests had shown it satisfactory, the new drug should be sent out for trial in its purest, most stable and best formulated form. Poor tablet breakdown or poor absorption might wreck a drug's chances.

A clinician asked to test a new drug should be given as much background information as possible. Because the supply of new compounds greatly exceeded facilities for testing them clinically, manufacturers ought to be more selective.

He favoured discussion between clinician and pharmacologist before a trial, though a well informed medical representative could often bridge the gap.

Volunteer studies of a drug were mainly of value in determining absorption, blood concentration and excretion. They

were best carried out in the manufacturer's laboratories. Patients then had to be found, so that safety and optimal dosage of a drug could be confirmed. The controlled trial was essential in saving money and time that otherwise might be wasted; the double-blind method was not entirely satisfactory, particularly as to dosage and side-effects, and proof of adequate safety was only possible after tests had been completed with thousands of patients.

The second paper, "The Organisation of Clinical Trials in Hospitals," was presented by PROFESSOR M. L. ROSENHEIM (University College Hospital). The speaker said he had great sympathy with the problem facing pharmaceutical companies which, after spending much time and money on research, believed they had a valuable new drug, but the clinician had also several problems. Drugs varied so widely that each required to be handled in a different manner.

Certain basic information was required by the clinician before subjecting a new medicament to clinical trial. First, he should be acquainted with full pharmacological details based on laboratory reports, and full discussion with the pharmacologist concerned. He must know the results of toxicity trials before deciding whether or not to administer a new drug. He must fully consider possible side-effects and the available antidotes, if any.

There were three stages in the clinical and/or hospital assessment of a new drug. First, there was the primary trial, which should be done by one person in one place to minimise risk. Primary trials were always difficult and time-consuming, and must be carefully planned. Even a carefully calculated initial dose should, he suggested, be divided by ten. The second stage was a pilot trial to investigate the effect in patients. That should only be undertaken if previous tests had produced clear evidence of therapeutic value. The pilot stage must not be hurried. It was important to obtain an idea of the dose range of the material. Clinical trials "proper" comprised the third stage. They, too, all necessitated careful preparation and, plenty of time. Even if a satisfactory initial result were obtained, long-term toxic effects or acquired tolerance to the drug would become apparent only later on.

Finding Both Staff and Patients

A formal clinical trial required a good supply of patients. In teaching hospitals, personnel were readily available, but suitable patients were often difficult to collect. In large non-teaching hospitals, the staff might not be adequate. Neither in medical schools nor in non-teaching hospitals had staffs been designed for clinical trials. Measures should be taken to attract clinical pharmacologists.

Where adequate facilities were available, clinical trials should be part of routine practice. While hospital staffs and clinicians should not be recompensed by the drug companies concerned, the supply of equipment or department grants was not to be condemned. There

was a need for some sort of central drug council, whose functions should include the registration of hospitals and clinicians interested in conducting trials. Such a council might be established by agreement between the pharmaceutical and medical professions. After a time, acceptance of a new drug by the council ought to provide a valuable hall-mark.

The initial tests and therapeutic trials must be performed on clinically suitable patients. Patients' general practitioners should be kept fully informed. The patient's trust should never be abused. Drug companies must realise that the clinician's first responsibility was to his patient.

Questions the Clinician Should Ask

Points of view on clinical trials in general practice were presented in a paper by an Edinburgh practitioner (Dr. E. V. Kuenssberg) that was read in his absence by DR. J. KNOX. Certain questions, said the paper, must be examined: What is not yet clear about the substance to be tested? Why must this substance be tried out in general practice as opposed to hospital practice? By what end point is the action of the therapeutic agent to be judged? Against what controls is it to be tested? Consideration of those points would soon reveal whether the intended therapeutic trial was unnecessary, impossible, done in the wrong setting, or could not be carried out objectively for ethical reasons.

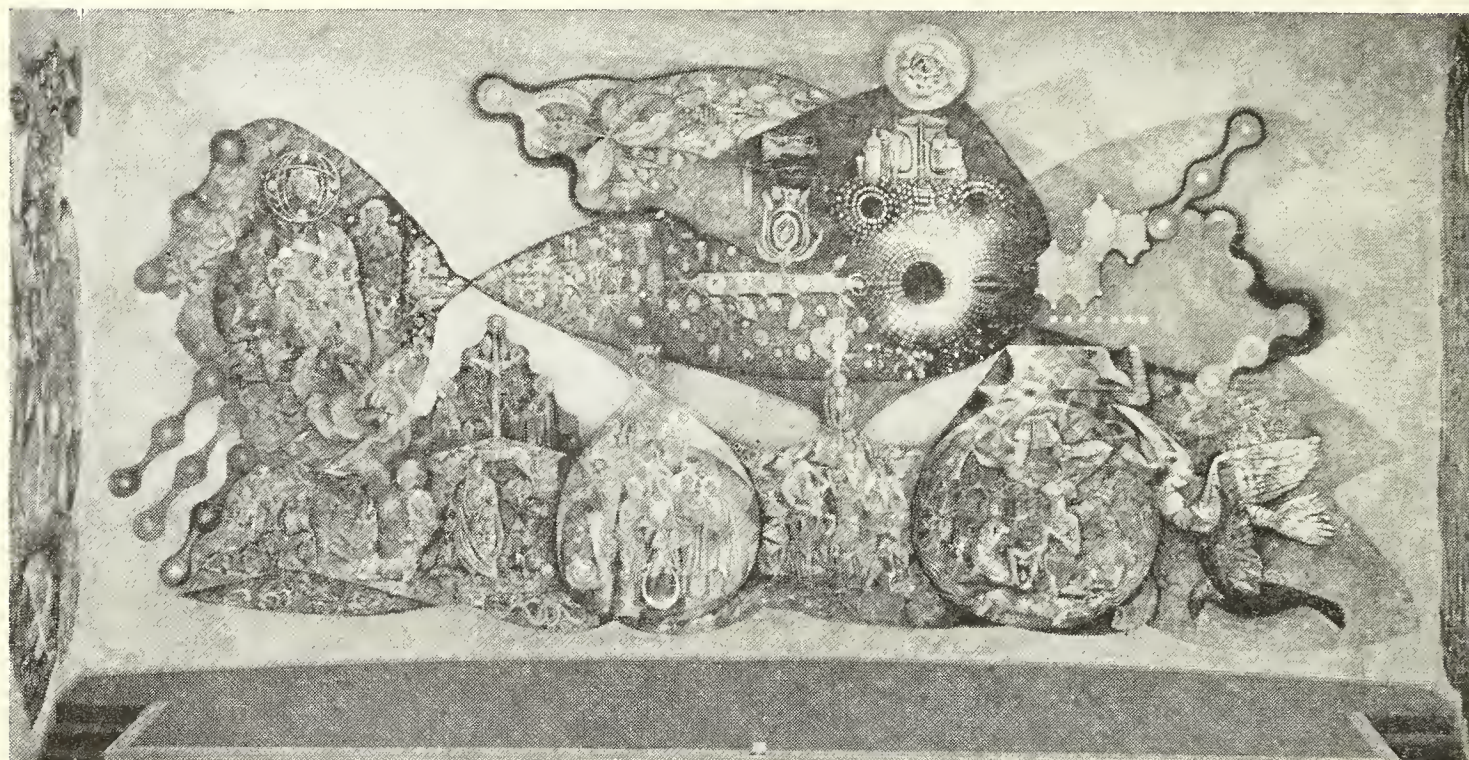
An agent could be classified into one of four categories: Old remedies for old purposes; old remedies for new purposes; better remedies for old purposes; new remedies for new purposes. Dr. Kuenssberg considered the first group "ought to engage attention far more than it did." Much conventional treatment was applied for want of anything better, or had only tradition behind it. By not examining the "old remedies for old purposes," there might be a danger of retaining in the therapeutic armamentarium much that ought to be sloughed off in the light of pharmacological advances. Claims that new combinations of old remedies produced more potent results frequently bore no relation to the facts. The reality might be that certain substances had become more readily available, either as a result of a change in fashions of treatment or as a by-product of other processes. The position might be reached when practitioners were asked to test drugs where the ingredients were some fractions more than the usual doses when it was known that the original dose was adequate.

He admitted the third group was the most tempting for general practitioners as well as for manufacturers. However, it was clearly unnecessary to test powerful combinations of antibiotics for a condition for which adequate treatment was already available. With regard to new remedies for new purposes, drug companies appeared often to have overlooked adverse results from general practice. The antiviral drug trials were a case in point.

(To be concluded)

Largest Mural in Australia

PHARMACY'S DEVELOPMENT SYMBOLICALLY DEPICTED



RECENTLY completed by the Australian artist Mr. Leonard Lloyd Annois, R.W.S., under a commission from the Pharmaceutical Society of Victoria, a mural depicting symbolically the development of pharmacy through the ages flanks and backs the stage in the main assembly hall of the new Victorian War Memorial College of Pharmacy at Parkville, Victoria. The mural is claimed the largest in Australia, and its production involved the artist both in several months' study of the history of pharmacy and in close consultations with members of the teaching staff of the College.

Peace and Perfection, Loss and Gain

Three main background symbols in the mural are the dove as a symbol of peace; the longitudinal section of a flower as the symbol of perfection; interlocking circles and broken hexagons as symbols of gain or loss respectively. Some part is devoted to pre-history. On the north wall a link is made with the Garden of Eden of the Book of Genesis using the plant life of palaeobotany in a chronological sequence of representative species from Silurian to recent times. At the bottom right hand corner of the wall the evolution of animal life is depicted from the protozoa to the amphibians. Behind the plants of the Carboniferous period may be seen an amphibian, a diplovertebron, and the reptile stegosaurius of the Jurassic. Archeopterix, with some other primitive birds, indicate the link between reptiles and birds, culminating with the turtle dove.

The figures of man and woman (and the dove) provide the link with the biblical allegory from Genesis, which recommences at the bottom right hand side of the main wall with the two birds as prominent emissaries in the

story of the Flood. The Mesopotamian civilisation of the Tigris and Euphrates rivers comes next. The rivers flow from the right hand of a god who holds man captive with his left. The Goddess of Health is beneath the feet of the people representing progress towards exact knowledge of natural phenomena. The mandrake symbolises belief in the magical qualities of certain drugs. Cuneiform shapes—the first record of exact pharmaceutical prescriptions—form the pattern of part of the area.

An Egyptian section carries a design based on equilateral triangles. God-dominated medicine is indicated by the larger figures and animal symbols (the bee, the snake, the sacred ibis) and plants.

The Greeks are represented within a ship upon the "wine-dark sea" of the Odyssey, serving as a symbol of the restless spirit and fertile ideas of the Greeks. The gods look down. Four sages hold respectively symbols of the four "elements"—fire, water, earth and air, to indicate the first rational medical theory of the harmony of the elements (later the Hippocratic theory of the humours).

Galen, the Serpent, and Saints

Rome is represented by a figure of Galen holding a percolator in his right hand. In a broken hexagon appears the cabbage as the plant used in most early remedies. In the lower section is the sacred healing snake, which according to legend came from the temple of Aesculapius in Greece by ship to an island in the Tiber, where the first hospital was founded. Above the Roman pediment is a symbolic crucifixion with symbols of sponge and straw, spears, crown of thorns and scourge, accompanied by Saints Cos-

mas and Damien, patron saints of medicine and pharmacy.

A kneeling woman within an imprisoning cave symbolises humanity under the stress of the centuries that followed the destruction of Alexandria and the fall of the Roman Empire.

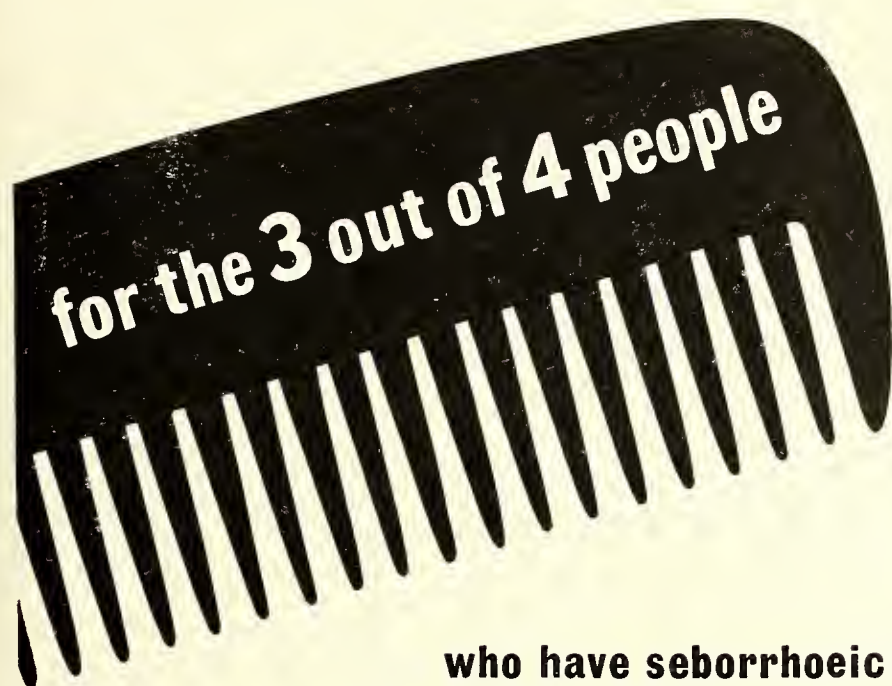
A section devoted to the contribution of the Arabs to medicine and pharmacy depicts discoveries in fields of science (astronomy, mathematics, medicine and pharmacy) and some of the plants (aconite, stramonium, myrrh, cinnamon, senna) introduced by the Arabs into pharmacy. Alchemy is represented by an astrologer.

Pharmaceutical Science

Areas devoted to the chemistry and pharmacy of the seventeenth, eighteenth, nineteenth and twentieth centuries represent plants from algae to the dicotyledons; and elements and compounds designated by the symbol of Dalton. The central upper section is devoted to the contributions of pharmaceutical science arranged round a greatly enlarged section of the atomic pattern of a metal, which is intended to express the closer relationship between the pharmacy of today and the physical chemist. Subjects ancillary to pharmaceutical science, such as microbiology, and pharmacology are represented. The dominant subject of pharmaceuticals is represented by typical weighing, measuring and mixing apparatus.

The medium used by the artist is "fresco secco," in which lime-resistant powdered colour, mixed with water, is applied to a coarse-grained lime-sand surface of intense whiteness.

Annois is famous for his "cosmic" or elliptical composition. It suggests planets or orbital electrons. Here it gives a timeless and universal quality.



who have seborrhoeic dermatitis of the scalp



For the scalp-scratchers, shoulder-brushers and comb-clutterers, there's welcome relief with SELSUN Suspension.

Published reports on more than 400 cases have shown that SELSUN completely controls seborrhoeic dermatitis in 81 to 87 per cent of all cases, and 92 to 95 per cent of common dandruff cases. It keeps the scalp free of scales for one to four weeks—relieves itching and burning after only two or three applications. SELSUN is remarkably simple to apply and rinse out while washing the hair. It takes little time. No complicated procedures or messy ointments. In 1, 2 and 4 fluid ounce bottles with full directions for use on special label.

SELSUN

Regd.

(SELENIUM SULPHIDE, ABBOTT)

ABBOTT LABORATORIES LIMITED · QUEENBOROUGH · KENT



add

Glucodin



the *glucozest* glucose
for day-long
energy



1 lb. carton 2/9

Wholesale price 24/9 per dozen

Special 'parcel' rate 44/- (2 dozen)



GLAXO LABORATORIES LIMITED

the name Glucodin is a Glaxo trade mark.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, APRIL 11: Increased demand during the week in GINGERS provided one of the bright spots among CRUDE DRUGS in what was otherwise a dull market.

As Jamaica was not offering supplies, spot holders with only meagre stocks on hand were asking upwards of 500s. per cwt. for No. 3—almost double the value which ruled in January. The Cochin variety likewise showed substantial gains and African was quoted at 300s., c.i.f., for April-May shipment. TURMERIC was firmer both for spot and shipment and PEPPERS were lower. CINNAMON QUILLS were fractionally dearer for shipment. Chinese MENTHOL was one shilling per lb. firmer for shipment while Brazilian, although showing a reduction on last weeks' prices, was expected to become dearer.

Formosan CITRONELLA, which maintained its firmer tone was one penny per lb. dearer for shipment at 8s. 10d., c.i.f. The recent fall in LEMONGRASS prices was reversed with forward quotations 1s. 3d. per lb. up on the week. Other ESSENTIAL OILS were unchanged.

In PHARMACEUTICAL CHEMICALS a reduction of ninepence per lb. was made in the price of THYMOL. Quotations for THEOBROMINE of domestic manufacture have been adjusted downwards nearer to the price which has been ruling recently to meet competition from Europe. TERPIN HYDRATE was also lower. SUGAR, GLUCOSE and SACCHARIN are all lower following the repeal of excise duty on those articles as announced in the Budget.

Pharmaceutical Chemicals

BORAX.—B.P. grade, 1 ton and upwards: Granular, £54 10s.; crystals, £58; powder, £59; extra fine powder, £60 per ton, all in hessian sacks. Less £1 for paper bags. Commercial from £44 10s. to £51 per ton, as to type and packing. Dehydrated borax is £60 per ton in hessian bags or £59 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5 cwt., 1s. per cwt.; 3 cwt., 2s.; 1 cwt., 3s.

BORIC ACID.—B.P. grade in 1 ton and upwards (per ton): Granular, £88; crystals, £97; powder, £94 10s.; extra-fine powder, £96 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical from £74 to £84 10s. per ton according to type and packing.

CETYL ALCOHOL.—Cosmetic grade about 3s. per lb. in 1-cwt. lots.

FORMALDEHYDE.—B.P. solution, 5 drum lots, 755s. per ton in free drums, delivered.

GALLIC ACID.—B.P., 10s. 7d. per lb. for 1-cwt. lots. Technical grade, 9s. 9d.

GLUCONATES. — CALCIUM, 1-4-cwt. lots, 3s. 9d. per lb.; SODIUM (technical), 3s. 3d. per lb.; FERROUS, B.P.C., 5s. 4d.

GLUCOSE. — Medicinal, B.P., POWDER, 66s. 6d. per cwt., delivered in 1-ton lots, 1-4 cwt., 69s.; 56-lb. bag, 36s. all. LIQUID, basic price, 48s. 6d. cwt.

GLYCEROPHOSPHATES.—Per lb. in 1-cwt. lots:—ACID, B.P.C., 20 per cent., 4s. 7d.; CALCIUM, soluble, B.P.C., 12s.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d.; MANGANESE, B.P.C., 27s.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent.,

B.P.C., 5s. 6d.; SODIUM, 50 per cent. 2s. 7d.; 75 per cent., 4s. 6d.; 100 per cent., 8s.

GLYCYRRHETINIC ACID.—Per gm., 2s. 3d. OXALIC ACID.—Manufacturers' rates for 1-ton lots £128 10s. per ton.

PARAFFINS.—Prices to wholesale distributors per gall.—LIQUID: HEAVY, B.P., in drums, 8s. 8½d. to 8s. 9½d. as to quantity; over 500 gall. in bulk, 8s. 7½d. LIGHT, B.P., drums, 7s. 1½d. to 7s. 2½d.; bulk, 7s. 0½d. Technical white: LIGHT, 6s. 6d. to 6s. 7d. and 6s. 3d. in bulk; MEDIUM, 7s. 7d. to 7s. 8d., bulk, 7s. 4½d. Drums charged and returnable. Soft: Best grades WHITE, medium consistency, £116 15s. per ton and soft consistency, £113 7s. 6d. Yellow, £94 10s. Other grades (all B.P.) at £95, £100 10s., £106 per ton for white and at £74 17s. 6d. for yellow. All in non-returnable drums delivered.

PHENACETIN.—B.P. one-ton lots, 6s. 3d. per lb.; 1-cwt., 6s. 6d.

PHENAZONE.—Imported, 9s. 6d. per lb.

PHENOL.—Ice crystals in drums, 1s. 4½d. per lb. Detached crystals, 2d. per lb. above and LIQUID, B.P., ¾d. per lb. below the foregoing prices.

PHENOLPHTHALEIN.—One-cwt. 9s. per lb.

PHOLCODINE.—8-oz. lots, 95s. 9d. per oz.

PIPERAZINE.—(50-kilo lots), ADIPATE, 22s. per kilo; CITRATE, 20s. 6d.; HEXAHYDRATE, 17s.; PHOSPHATE, 23s.; TARTRATE, 22s. 6d.

SACCHARIN.—B.P. powder, 1-lb. and over, 16s. 6d. per lb.; SODIUM SALT, 14s. 2d. per lb. Post-budget prices.

SALICYLIC ACID.—One-cwt., 3s. 4½d. per lb.; 5-cwt., 3s. 2½d. per lb.

SANTONIN.—5-kilo lots, 360s. per kilo.

SODIUM ACETATE. — B.P.C., one cwt., 2s. 1d. per lb.

SODIUM ACID PHOSPHATE.—B.P.C., one-cwt. kegs, 2s. 9d. per lb.

SODIUM BENZOATE. — One-ton lots, 2s. 7½d. per lb.; 1-cwt., 2s. 9½d.

SODIUM BICARBONATE.—B.P., 1-cwt. bags, £18 per ton for 8-ton lots.

SODIUM BROMATE. — One-cwt., 9s. 9d. per lb.

SODIUM CARBONATE.—B.P.C. exsiccated, 70s. per cwt.; 5-cwt., 65s. per cwt.

SODIUM CHLORIDE. — B.P., 37s. 4d. per cwt. in sacks.

SODIUM FLUORIDE. — B.P.C. 1934, one-cwt. kegs, 3s. 6d. per lb.

SODIUM HYDROXIDE. — FLAKE, one-ton lots, £43 5s. per ton in 1-cwt. drums.

SODIUM METABISULPHITE. — Granular, 1-cwt. lots, ninepence per lb.

SODIUM NITRITE.—B.P.C. One-cwt. kegs, 2s. 7d. per lb.

SODIUM PERBORATE. — (Per ton) £145 15s. in 1-cwt. kegs; £138 5s. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is £309 15s.; TETRAHYDRATE, from £131 15s. to £139 5s. per ton as to packing.

SODIUM PERCARBONATE. — (Per cwt.) 170s. 9d. (bags 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM SALICYLATE. — One-ton lots in bulk, 3s. 9d. per lb.; 5-cwt., 3s. 10d.; 1-cwt., 4s.

SODIUM SULPHATE.—B.P. from £15 to £22 10s. per ton as to crystal. B.P. exsiccated, about £56 per ton.

SODIUM SULPHIDE.—In 1-ton lots: Solid, £39 2s. 6d.; broken, £40 2s. 6d.; flake, £41 12s. 6d.; crystals, £30.

SODIUM THIOSULPHATE. — Photographic crystals in paper-lined bags, £38 per ton.

TERPIN HYDRATE.—Less than 12½ kilos, 11s. 6d. per kilo.

THEOBROMINE. — ALKALOID in less than 50-kilos, 44s. per kilo;—CALCIUM SALICYLATE (12½-kilos), 43s. 6d. per kilo; and—SODIUM SALICYLATE, 40s. 6d.

ZINC CARBONATE. — One-cwt. lots, 1s. 11½d. per lb. 1-ton, 1s. 8d.

ZINC CHLORIDE. — B.P.C. cake, 7s. per lb.; sticks, 7s. 10d. TECHNICAL, 115s. per cwt.

ZINC OXIDE. — Two-ton lots B.P. grade, £95 per ton; 1-ton, £96.

ZINC PEROXIDE. — One-cwt. lots of B.P., 5s. 3d. per lb.

ZINC SULPHATE. — B.P., 1-cwt. lots, 1s. 6d. per lb.

Alcohol

British spirit (fermentation grades) per proof gall.:—

ETHYL ALCOHOL: (95 per cent. Gay Lussac, 66 o.p.): where the minimum delivery is 2,500 bulk gall. or over, 3s. 7d.; 1,500, 3s. 8d.; 500, 3s. 9d. Prices are exclusive of duty and are for tank wagon lots. In 40-90-gall. drums there is a surcharge of threepence per proof gall.

ABSOLUTE ALCOHOL, 95.5 per cent., 74.5 o.p., from 3s. 11d. to 4s. 1d. for same quantities; the special high strength (99.9 per cent., 75.2 o.p.) from 4s. 3d. to 4s. 8d. (in drums) for 1,000-40 galls. (bulk). DOUBLY RECTIFIED ALCOHOL (S.V.R.) 95.8 per cent., 68 o.p., from 3s. 9d. to 3s. 11d. R. R. ABSOLUTE ALCOHOL (re-rectified), 99.7 per cent., 75 o.p., 8s. per proof gall. net (for 40-gall. drums). Duty is £11 13s. 7d. per proof gall.

SYNTHETIC GRADES (supplied only to buyers authorised by Customs and Excise to buy duty free) the 95 per cent. is from 2s. 10d. to 3s. 0d. and ABSOLUTE (99.5 per cent.), 3s. 1d. to 3s. 3d. bulk deliveries.

Methylated Spirit

Methylators' rates per bulk gall. in Great Britain are as follows:

INDUSTRIAL METHYLATED SPIRIT: Strength 61 o.p., 500 gall. and over, 5s. 1d.; 100 gall. and under 500 gall., 5s. 6d.; 40 gall. and under 100 gall., 5s. 11½d.; 10 gall. and under 40 gall., 6s. 5½d.; 5 gall. and under 10 gall., 6s. 11½d. Strength 64 o.p., halfpenny per gall.; 66 o.p. (B.P.), one penny; 68 o.p., 3½d. more than the above rates with 74 o.p. at 5s. 10½d.; 6s. 3½d.; 6s. 9d.; 7s. 3d. and 7s. 9d. for similar quantities. Tank wagon delivery is 2d. per gall. off list price.—minimum, 500 gall. For industrial methylated spirit of perfumery quality prices are from 6s. 6d. (tank wagon) for 500 gall. to 8s. 0½d. (10 gall. drums) for 64 o.p.

PYRIDINISED INDUSTRIAL METHYLATED SPIRIT: Strength 66 o.p., 500 gall. and over, tank wagon delivery, 5s. 3½d.; 500 gall. in 40-gall. drums, 5s. 5½d.; 100 gall. and under 500 gall. (in drums), 5s. 10½d.; 40 gall. and under 100 gall., 6s. 4d.; 10 gall. and under 40 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 4d.

MINERALISED METHYLATED SPIRIT: Strength 64 o.p., in one delivery, 500 gall. upwards, 5s. 5½d. in drums; 100 gall. and under 500 gall., 5s. 10½d.; 40 gall. and under 100 gall., 6s. 4d.; 10 gall. and under 40 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 4d.

Crude Drugs

ACONITE.—Spot: Spanish *napellus*, 2s. 6d. per lb.

AGAR.—Kobé No. 1, 13s. 6d. per lb. in bond; shipment, 11s. 9d., c.i.f.

ALOE.—Cape primes, spot, 175s. per cwt.; shipment, 172s. 6d., c.i.f., both nominal. Curaçao, spot, 410s.; shipment, 385s., c.i.f.

ANISE.—Chinese STAR, 185s. per cwt., spot, duty paid; shipment, 160s., c.i.f.

BELLADONNA.—Herb and LEAVES unobtainable. ROOT, 1s. 10d. per lb. for material testing over 0.5 per cent.

BENZON.—Sumatra block, spot £20 to £28 as to quality.

BUCHU.—Spot, 4s. 3d. per lb.; shipment, March–April, new crop, 3s. 11d., c.i.f.

CAMPHOR.—B.P. powder, 3s. 10½d. per lb. in bond.

CAPSICUMS.—East African on stalk, 150s. per cwt.; Ethiopian, 145s.

CASCARA.—Spot, 260s. per cwt.; shipment, 240s., c.i.f.

CASSIA.—*Fistula*, 105s. per cwt.; *lignea* (whole), for prompt shipment, 340s., c.i.f. Spot, 440s.; broken, 375s.

CHAMOMILE.—Belgian, 6s. 6d. to 7s. 6d. per lb. as to quality; Hungarian type, 6s. 6d.

CHERRY BARK.—Thin natural, 1s. 9d. per lb.; shipment, 1s. 6½d., c.i.f.

CHILLIES.—Nigerian, 195s. per cwt. Mombasa, 300s.; Zanzibar, 240s.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 5s. 6½d.; 3 O's, 5s. 1½d.; O, 4s. 9½d.; quillings, 3s. 3½d.; featherings, 1s. 5½d.

CLOVES.—Zanzibar spot, 3s. 3d. per lb. nominal; shipment, 2s. 9d. to 2s. 11½d., c.i.f., as to grade.

COCHILANA.—Bark, 2s. per lb., spot; shipment, 1s. 9d., c.i.f., both nominal.

COLOCYNTH PULP.—Spot, 2s. per lb.

DIGITALIS.—*Purpurea* for shipment, 2s. 4d. per lb., c.i.f.

ELEMI.—Spot, 1s. 9½d. per lb. Shipment, 1s. 5d., c.i.f.

FRANGULA.—Spot, 87s. 6d. per cwt.

GENTIAN.—Spot, French, 150s. per cwt.

GINGER.—(Per cwt.). African spot nominal; April–May shipment 300s., c.i.f.; Jamaican No. 3, spot, 500s.; shipment, no offers. Cochin, spot, 160s.; shipment, 150s., c.i.f.

GUM ACACIA.—Kordofan-cleaned sorts, 142s. 6d. per cwt., spot; shipment, 138s., c.i.f.

HENNA.—Indian, spot, 95s. per cwt.; shipment, 63s., c.i.f.

HONEY.—(Per cwt.). Australian light amber, 100s. to 105s. and medium amber, 95s. to 100s. Argentine, 115s. to 120s.; Jamaican, 115s. to 120s.; Canadian clover, 150s. to 155s. Mexican, 110s. to 115s., ex warehouse.

JUNIPER BERRIES.—Italian, 125s. per cwt.; German, 120s.

KARAYA.—No. 1 gum, spot 300s. per cwt.; No. 2, 235s.

KOLA NUTS.—African, 6d. spot and 4½d., c.i.f. (per lb.).

LANOLIN.—ANHYDROUS B.P. is from 140s. to 155s. per cwt. in 1-ton lots.

LEMON PEEL.—Spot, 2s. 3d. per lb.

LINSEED.—Whole, 75s. per cwt.; crushed, 105s.

LOBELIA HERB.—American spot, 6s. 3d. per lb.

MACE.—Whole pale blade, 21s. per lb., spot.

MENTHOL.—Chinese: spot, 52s. 6d. per lb. duty paid; shipment, 51s., c.i.f. Brazilian, 33s. 6d. in bond; 32s. 9d., c.i.f. Formosan, 42s. in bond; April shipment, 39s. 6d., c.i.f.

MERCURY.—About £62 10s. per flask of 76-lb.

NUTMEGS.—West Indian 80's, 8s. 6d. per lb., spot; sound unassorted, 6s. 9d.; defectives, 5s. 3d.

NUX VOMICA.—Cochin, 80s. per cwt. on the spot.

ORRIS ROOT.—Florentine, 335s. per cwt.

PEPPER.—White Sarawak spot, 3s. 4d. per lb.; shipment, 3s. 3d., c.i.f. Black Sarawak spot, 2s. 8½d.; shipment, 2s. 7½d., c.i.f. Black Malabar, 310s. per cwt. spot; shipment, 290s., c.i.f.

PEPPERMINT.—Dutch whole leaves, 3s. per lb., c.i.f.

PIMENTO.—Spot, 588s. per cwt.; shipment, 540s., f.o.b.

PODOPHYLLUM.—*Emodi*, no offers, *Peltatum*, 365s. per cwt.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, 74s. 6d. per lb. for small lots.

QUILLAIA.—Spot 185s. per cwt. Shipment, 160s., c.i.f.

RHUBARB.—Chinese small rounds from 4s. 6d. to 9s. per lb. on the spot.

SAFFRON.—Mancha selecta, 170s. per lb. spot; shipment, 180s., c.i.f.

SARSAPARILLA.—Jamaican native red spot, 2s. 6d. per lb.; prompt shipment, 2s. 1d., c.i.f.

SEEDS.—(Per cwt.). **ANISE.**—Turkish nominally 350s., duty paid. **CARAWAY.**—Dutch, 160s., duty paid. **CELERY.**—Indian, 275s.; April–May shipment, 205s., c.i.f.; new crop (June–July), 152s. 6d., c.i.f. **CORIANDER.**—Moroccan, 135s., duty paid; Indian bold 85s. Moroccan April shipment sold at 95s., c.i.f.; Indian bold, 75s., c.i.f. **CUMIN.**—Cyprian, 177s. 6d.; Indian, 142s. 6d.; Iranian, 137s. 6d., duty paid; shipment, Iranian, 120s., c.i.f. **DILL.**—Indian, 97s. 6d.; shipment, 75s., c.i.f. **FENNEL.**—Indian, 110s.; shipment, 88s., c.i.f. **FENUGREEK.**—Moroccan, 102s. 6d., duty paid; shipment, 95s., c.i.f. **MUSTARD.**—English, 60s. to 80s. according to quality.

SENEGA.—Spot, 15s. 9d. per lb.

SENNA.—(Per lb.). *Timevelly* LEAVES, new crop, spot: Prime No. 1, 2s. 4d.; prime No. 2, 1s. 5d.; No. 3, f.a.q., 1s. 1d. **PODS:** hand-picked, No. 1, 2s. 6d.; No. 2, 1s. 9d.; manufacturing cleared, *Alexandria* pods: Manufacturing cleared; hand-picked, only lower grades offering around 4s. per lb.

SHELLAC.—F.O.T.N., 195s. per cwt.; No. 1, 207s. 6d.; F.O., 225s. to 275s., spot.

SQUILL.—White 77s. 6d. to 85s. per cwt. as to holder.

SIRAMONIUM.—Indian LEAVES 70s. per cwt. spot. Dutch 0.5 per cent. alkaloid. 93s., c.i.f.

STYRAX.—Spot, 24s. 3d.

TRAGACANTH.—No. 1 ribbon, £135 to £137 10s. per cwt. No. 2, £127 10s. to £130.

TONQUIN BEANS.—Para spot, 6s. per lb.; shipment, 5s. 5d., c.i.f. Angostura, 10s. 6d.

TURMERIC.—Madras finger firm at 135s. per cwt. April shipment, 112s. 6d., c.i.f.

VALERIAN ROOT.—Spot: Belgian, whole for prompt shipment, 145s. per cwt., c.i.f.; Indian, 150s. to 170s. Dutch 172s. 6d., c.i.f.

WAXES.—(Per cwt.). **BEES'.**—Dar-es-Salaam, spot, 430s.; shipment, 410s., c.i.f. Abyssinian, spot cleared; shipment, 375s., c.i.f. Sudanese, spot cleared, shipment, 375s., c.i.f. **CANDELLA.** spot, 465s.; **CARNAUBA,** fatty grey, spot, 400s.; shipment, 367s. 6d., c.i.f.; prime yellow, spot, 670s.; shipment, 620s., c.i.f.

WITCH HAZEL LEAVES.—Spot, 2s. 11d. per lb.

Essential and Expressed Oils

ARACHIS.—Spot, 2–5 ton lots naked ex mill, £128 per ton.

BAY.—West Indian short on the spot, prices nominal.

BERGAMOT.—Spot, from 72s. 6d. per lb.

BIRCH TAR.—Rectified, 8s. per lb.

BOIS DE ROSE.—Brazilian, 17s. 6d. per lb. on the spot; shipment not offering.

CADE.—Spanish, 2s. per lb. for drum lots.

CAJUPUT.—Spot from 10s. per lb.

CALAMUS.—Spot 56s. 6d. per lb.

CAMPHOR, WHITE.—Chinese, 1s. 9d. per lb. in bond; 1s. 6d., c.i.f.

CANANGA.—Spot, 33s. per lb.

CARAWAY.—Imported oil, 38s. per lb.

CARDAMOM.—English-distilled unquoted: imported, 260s. per lb.

CASSIA.—Short with prices nominal.

CASTOR.—Home produced B.P. oil, spot, £153 per ton naked ex mill (2-ton lots).

CEDARWOOD.—American rectified 9s. 6d. per lb. on the spot.

CELERY SEED.—From 96s. per lb.

CHAMOMILE.—Smalls 640s. per lb.

CHENOPODIUM.—About 35s. per lb. in original containers.

CITRONELLA.—Ceylon, spot, 6s. 7d.; shipment, 6s. 5d. per lb., c.i.f. Formosan, spot, none in bond; shipment, 8s. 10d., c.i.f.; Chinese, 8s. 7½d., c.i.f.; spot cleared.

CLOVE.—Madagascar leaf, spot, 8s. 3d. per lb., duty paid; shipment, 7s. 6d., c.i.f.

RECTIFIED 87–88 per cent., 11s. 6d. Distilled bud-oil, English, B.P., 27s. for 1-cwt. lots.

CORIANDER.—B.P. oil, 48s. per lb., spot.

CUMIN.—Imported oil, 88s. 6d. per lb.; English-distilled, 85s.

DILL.—Imported, 38s. per lb., spot.

JUNIPER.—B.P.C. 1949 oil is from 14s. per lb. on the spot. English-distilled, 140s. **JUNIPER WOOD,** from 5s.

LAVANDIN.—Spot from 9s. per lb. for original drums.

LAVENDER.—French from 20s. to 30s. per lb. as to quality.

LAVENDER SPIKE.—Spanish, 14s. per lb. for original drums.

LEMONGRASS.—Spot 23s. 6d.; April shipment, 21s. 3d. per lb., c.i.f.

NUTMEG.—Imported B.P. oil is from 46s. to 90s. per lb. as to source. English distilled, 132s. 6d.

OLIVE.—Spot, 19s. to 19s. 6d. per gall. in drums ex wharf; shipment, £190–£205 per 1,000 kilos, f.o.b. Spanish port.

PALMAROSA.—Spot cleared. Shipment, 57s. 6d. per lb., c.i.f.

PATCHOULI.—Penang is 26s. 6d., duty paid and 24s., c.i.f., per lb.

PETITGRAIN.—Paraguay, 18s. per lb., spot; shipment, 17s. 6d., c.i.f.

UNITED STATES REPORT

NEW YORK, APRIL 10: The NAPHTH-ALENE market was termed easy due to a noticeable rise in supply and pressure from European offerings. Brazilian MENTHOL declined by another 10 cents to \$5 a lb. Bourbon VANILLA BEANS firmed by 50 cents to a new level of \$8 a lb. Also higher was GUM ACACIA, amber sorts, at 20 cents, up ½ cent a lb. TRAGACANTH declined to make the flake No. 27 now 98 cents a lb., down two cents, and the flake No. 28 now 90 cents, down five cents. Lower per lb. were prices for ALOES, the Cape now being quoted at 31 cents a lb., down three cents, and the Curaçao 48 cents, down six cents. ESSENTIAL OILS were rather quiet and little changed in price.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, April 16

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION and BRANCH, Central hotel, Birkenhead, at 8 p.m. Mr. H. Davies, F.R.C.S., on "Orthopaedics—Today and Tomorrow."

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, University hall of residence, Birchwood Road, Penylan, Cardiff, at 6 p.m. Annual conference.

ENFIELD CHEMISTS' ASSOCIATION, Enfield Arms hotel, Enfield, at 7.45 p.m. Mr. R. Levin on "The Pharmacy of Silicones."

FINCHLEY BRANCH, PHARMACEUTICAL SOCIETY, Bull and Butcher hotel, 1277 High Road, Whetstone, London, N.20, at 8 p.m. Dr. F. Brittain (Fellow of Jesus College, Cambridge) on "It's a Don's Life."

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Medico-chirurgical Society's house, 64 St. James's Street, Nottingham, at 7.30 p.m. Annual meeting.

PESTICIDES GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 5.30 p.m. Annual meeting. Mr. G. L. Baldit (Plant Protection, Ltd.), on "The Chemist in Crop Protection."

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION AND BRANCH, Lambeth Town Hall, London, S.W.2, at 8 p.m. Annual meeting.

WOKING BRANCH, PHARMACEUTICAL SOCIETY, Red House hotel, Woking, at 8 p.m. Miss I. Kane (consultant ophthalmologist, Woking Victoria hospital) on "Some Recent Advances in Ophthalmology."

Tuesday, April 17

BRIGHTON AND HOVE BRANCH, PHARMACEUTICAL SOCIETY, Langfords hotel, Third Avenue, Hove, at 8 p.m. Annual meeting. Appointment of Branch Representatives.

HERTFORD BRANCH, PHARMACEUTICAL SOCIETY, Mayflower Place, Hertingfordbury, Herts, at 8 p.m. Annual meeting.

INSTITUTE OF BIOLOGY, Fyvie Hall, Polytechnic, 309 Regent Street, London, W.1, at 10 a.m. Conference on "The Training of Biologists" (until April 18).

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, North Stafford hotel, Stoke-on-Trent, at 7.30 p.m. Annual meeting.

OXFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Oxford Eye hospital, Oxford, at 8 p.m. Annual meeting.

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Royal Victoria hotel, Sheffield, at 8 p.m. Annual meeting.

SOCIETY OF CHEMICAL INDUSTRY, civil engineering lecture theatre, Leeds University, at 7.30 p.m. Brotherton Memorial lecture, Dr. R. Spence on "Chemical Processes for Nuclear Power."

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, and MIDDLESBROUGH BRANCH, NATIONAL PHARMACEUTICAL UNION, Queens hotel, Bishopton Lane, Stockton-on-Tees, at 7.30 p.m. Annual meeting.

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Hackwood hotel, Widmore Road, Bromley, Kent, at 8 p.m. Mr. W. Fosh (Ilford, Ltd.) on "Photography."

Wednesday, April 18

BEDFORDSHIRE AND HERTFORDSHIRE BRANCH, INSTITUTE OF PACKAGING, Old Sugar Loaf hotel, Dunstable, at 7.30 p.m. Mr. A. C. Wilson (English Electric Co., Ltd.) on "The Economics of Packaging."

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY, Station hotel, Chesterfield, at 8 p.m. Dr. K. R. Capper (director, department of Pharmaceutical Sciences) on "Problems in Practical Pharmacy."

FACULTY OF THE HISTORY OF MEDICINE, WORSHIPFUL SOCIETY OF APOTHECARIES, Apothecaries' Hall, Black Friars Lane, Queen Victoria Street, London, E.C.4, at 5 p.m. Gidcon de Laune lecture, Lord Cohen of Birkenhead on "James Carson, M.D., F.R.S., of Liverpool."

LEICESTER AND LEICESTERSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Bell hotel, Leicester, at 7.30 p.m. Annual meeting.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Scientific meeting, Dr. D. Jack (director of research, Allen & Hanburys, Ltd.), on "Sustained-release Medication."

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, Langley Park golf club, Beckenham, Stableford competition for Banstead bowl, and Calcutta Cup, and eighteen-and-over handicap.

THAMES VALLEY BRANCH, INSTITUTE OF PACKAGING, Reindeer hotel, Slough, at 7.30 p.m. Open forum "Any Questions."

Thursday, April 19

STIRLING AND CENTRAL SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Regal café, Stirling, at 7.45 p.m. Annual meeting.

COMMERCIAL TELEVISION

Figures in the columns represent number of appearances of the product during the week

April 22-28	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster	Westward	Border	Grampian	Elcamm
4711 eau de Cologne	2	2	3	2	2	1	2	2	1	1	1	1	1
Alka Seltzer	5	4	—	4	4	4	4	3	4	4	4	4	—
Anadin	—	—	—	14	—	—	—	—	7	—	7	—	2
Aspro	—	—	—	—	—	1	1	—	—	—	—	—	2
Bristow's shampoos	—	—	—	—	—	1	1	—	—	—	—	—	—
Brylcreem	4	3	3	3	3	4	3	6	4	3	3	2	—
Cooper's sprays	1	1	1	1	1	1	1	2	1	1	1	1	—
Cow & Gate products	2	2	1	1	1	1	1	2	1	1	1	1	—
Cuticura	—	2	—	—	—	—	1	—	—	—	—	—	—
Delrosa	—	—	3	—	—	—	—	—	—	—	—	—	—
Delsey	—	—	2	—	—	—	—	—	—	—	—	—	—
Dentu-Creme	—	—	—	—	—	1	—	—	—	—	—	—	—
Domestos	3	3	1	3	1	2	1	1	1	1	1	3	—
Dr. Wernets powder	3	—	—	—	—	—	1	1	—	—	—	—	—
Euthymol tooth-paste	1	1	1	1	1	1	1	—	2	2	2	1	—
Gillette	3	3	3	5	3	3	3	5	3	3	3	3	—
Hedex	—	—	—	—	—	3	—	—	—	—	—	—	—
Imperial Leather soap	3	2	2	2	2	2	2	3	3	3	2	2	—
Kruschen salts	—	—	—	—	—	—	—	—	—	—	—	—	2
Lifeguard	—	—	—	—	—	—	—	—	—	—	—	—	1
Limmits	1	2	1	2	1	3	1	3	3	2	2	2	—
Maclean's tooth-paste	3	3	2	3	4	3	—	3	3	6	—	2	—
Max Factor	1	1	1	1	1	1	1	1	1	1	1	1	—
Medac	3	—	—	—	—	—	—	—	—	—	—	—	—
Milk of Magnesia tablets	1	3	1	1	1	1	1	1	1	1	1	1	—
Moorland tablets	1	1	1	1	1	1	1	1	1	1	1	1	—
Panets	2	1	1	—	—	—	—	—	—	—	—	—	1
Poli-Grip	—	—	—	1	—	—	—	—	—	—	—	—	—
Radox	—	—	—	—	—	—	—	—	1	—	—	—	1
Rennies	—	—	—	—	—	—	—	—	2	—	—	—	1
Rimmel "beauty on a budget"	1	1	1	1	1	1	—	1	—	1	—	—	—
Ronson electric razors	—	1	1	1	1	1	1	1	1	1	1	1	1
Sebbix	1	1	1	—	—	—	—	—	—	—	—	—	—
Shavex	—	—	—	—	—	—	—	—	—	—	—	—	4
Silvikrin shampoo	3	4	6	5	3	3	3	4	3	4	4	3	—
Tru-gel	—	—	—	—	—	—	—	—	—	—	—	—	1
T-Zone	—	—	—	—	—	1	—	—	—	—	—	—	—
Virol	—	—	—	—	—	—	—	—	—	—	—	—	2
VO-5 hair spray	2	3	2	1	—	—	—	—	—	—	—	—	—
conditioner	3	2	3	1	—	—	—	—	—	—	—	—	—
Vosene shampoo	2	1	—	—	1	2	—	3	—	—	—	1	—
Wright's coal tar soap	2	—	—	—	—	—	—	—	—	—	—	—	—

Advance Information

CONFERENCE INTERNATIONALE DES ARTS CHIMIQUES and JOURNEES TECHNIQUES DE PARIS, Maison de la Chimie, 28 bis, rue Saint-Dominique, Paris, 7, April 25 to May 4.

EUROPLASTIQUE 62, Paris, France, May 19-29.

INSTRUMENTS, ELECTRONICS and AUTOMATION EXHIBITION, Olympia, London, W.14, May 28 to June 20.

INTERNATIONAL COMPRESSED AIR and HYDRAULICS EXHIBITION, Empire Hall, Olympia, London, W.14, April 30 to May 4.

MECHANICAL HANDLING EXHIBITION, Earls Court, London, S.W.5, May 8-18.

WORLD CONGRESS ON MAN-MADE FIBRES, Sceptre House, 169 Regent Street, London, W.1, May 1-4.

PRINT AND PUBLICITY

PRESS ADVERTISING

ANDOMIA PRODUCTS, LTD., Grant Street, Bradford, 3: Mini Bisks. In national Press and women's magazines.

BIDDLE SAWYER & CO., LTD., 2 Fitzroy Street, London, W.1: African pyrethrum. In *Daily Mail*.

WILLIAM FREEMAN & CO., LTD., Suba-Seal Works, Staincross, Barnsley, Yorks: Suba-Seal hot water bottles. In women's magazines.

J. C. GAMBLE & CO., LTD., 209 Blackfriars Road, London, S.E.1: Odo-ro-no. In nine women's magazines.

ILFORD, LTD., Ilford, Essex: Colour films. In daily and Sunday newspapers, national and regional magazines, *Woman*.

MAX FACTOR, HOLLYWOOD & LONDON (SALLS), LTD., 16 Old Bond Street, London, W.1: Factor for Men, Hi-Five. In national Press; Fashion Matte lipstick. In women's magazines.

MISGO PRODUCTS, LTD., 6 Albemarle Street, London, W.1: Helene Curtis Go-Gay. In women's magazines.

PINAUD, LTD., Boreham Wood, Herts: Eau de Portugal. In national Press.

RONSON PRODUCTS, LTD., 352 Strand, London, W.C.2: Ronson electric razors. In *Daily Express*, *Daily Herald*, *Daily Mirror*, *London Evening News*, *Glasgow Daily Record*, *Belfast Telegraph*.

UNIVERSAL LABORATORIES, LTD., Wear Bay Road, Folkestone, Kent: Limmits. In daily Press and women's magazines.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED
From the "Official Journal (Patents),"

April 4, 1962

- Orally administrable hormones and anti-coagulant medicines comprising chelating agents, Riker Laboratories, Inc. 896,876.
- Marked pharmaceutical tablet and process of making same, R. Y. Sanders, 897,141.
- Germicide and detergent composition containing same, Dow Chemical Co. 896,894.
- Healing agent for wounds of the body surface, Chas. Pfizer & Co., Inc. 895,949.
- Therapeutic cyanophenoxazine derivatives, Smith Kline & French Laboratories, 897,158.
- Water-softeners and methods of softening water, H. Loosli, 897,365.
- Hydrazine derivatives and a process for their manufacture, Westminster Bank, Ltd. 896,987.
- Biphenyl derivatives, Francesco Vismara, S.p.A. 897,303.
- Phospholipids containing arachidonic acid, Calmic, Ltd. 896,903.
- Precipitated calcium carbonate, Imperial Chemical Industries, Ltd. 897,205.
- Yohimban and yohimbene derivatives, Laboratoires Français de Chimiothérapie, 897,094.
- Process for the preparation of furan derivatives, CIBA, Ltd. 897,095.
- Tricyclic compounds and a process for the manufacture and conversion thereof, F. Hoffmann-La Roche & Co., A.G. 897,328.
- N-heterocyclic compounds, J. R. Geigy, A.G. 897,052.
- Preparation of substituted phenoxazines, Smith Kline & French Laboratories, 897,157.
- Production of penicillin compounds, Chas. Pfizer & Co., Inc. 897,046.
- Pyrrolidones and a process for the manufacture thereof, F. Hoffmann-La Roche & Co., A.G. 897,278.
- Aminoalcohols and process for their manufacture, CIBA, Ltd. 897,163.
- Cyclopentanophenanthrene compounds and process for their manufacture, Syntex, S.A. 896,986.
- Processes for the production of 11 α -hydroxysteroids, E. Merck, A.G. 896,913.
- Process for the production of 6-methyl-3-keto- Δ^4 -steroid compounds, Soc. Farmaceutici Italia, 896,980.
- Tetrahydrothiadine-thione derivatives, Farbenfabriken Bayer, A.G. 896,936.
- Phosphonic acid esters, Farbenfabriken Bayer, A.G. 896,956.
- Deodorising phosphorodithioate compounds, American Cyanamid Co. 897,332.
- Insecticidal compositions, Fisons Pest Control, Ltd. 896,942.
- Device for exterminating insects, especially flies, Farbenfabriken Bayer, A.G. 897,173.
- Method of sterilising liquids, A. R. Rausing, 897,168.
- Dry shavers, Wilkinson Sword, Ltd., and H. B. Randolph, 897,200.
- British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Building, Chancery Lane, London, W.C.2, from May 23.

TRADE MARKS

APPLICATIONS ADVERTISED
BEFORE REGISTRATION

From the "Trade Marks Journal," March 28

- For insecticides, pesticides, fungicides, fumigants and preparations for killing weeds and destroying vermin (5)
- Device with word MURPHY, 828,143, by Murphy Chemical Co., Ltd., Wheathampstead, nr. St. Albans, Herts.
- For pharmaceutical preparations and substances for human and veterinary use; sanitary substances; and disinfectants (5) and for animal foodstuffs and preparations for use as nutritional additives in foodstuffs and in veterinary preparation (31)
- PROMATE, 828,562-63, by Imperial Chemical Industries, Ltd., London, S.W.1.
- For cinematograph projection screens and unipods thereof, and stands for cinematographic projectors (9)
- DALIT, 807,141, by Da-lite Screen Co., Warsaw, Indiana, U.S.A.

For lamps for photographic, cinematographic and optical projectors, and parts (11)

TRUFLECTOR, 800,682, by Thorn Electrical Industries, Ltd., London, W.C.1.

For electric shavers (8)

COMET, 826,344, by B. H. Ries, Ltd., London, E.C.1.

For optical, photographic and cinematographic apparatus, and parts and fittings (9)

EXA, 814,063, by Ihagee Kamerawerk, A.G., Frankfurt/Main, Germany.

For paper covers for closet seats (16)

SANITOR, 828,406, by Walters & Dobson, Ltd., Sheffield, 1.

For combs (21)

HALEX FLEXIMATIC, 826,454, by British Nylonite Co., Ltd., London, E.4.

For photographic objectives (lenses) (9)

DOMIGOR, DOMIPLAN, DOMITON, 822,807-09, by Veb Feinoptisches Werk Görlitz, Görlitz, Germany.

For photographic shutters (9)

PARAD, 829,440, by Agfa, A.G., Leverkusen-Bayerwerk, Germany.

For surgical, medical, dental and veterinary instruments and apparatus (10)

STOCKMASTER, 8810,369, by Irish Drugs, Ltd., Burnfoot, Lifford, Donegal, Republic of Ireland.

For surgical, medical and veterinary instruments and apparatus (10)

FLEXOPAX, 824,901, by Astra-Hewlett, Ltd., Watford, Herts.

For medical and surgical belts incorporating thermal insulation pads, designed to retain body heat (10)

LINIA-THERMAL, 8824,937, by J. Roussel, Ltd., London, W.1.

For tears (10)

JUMBO, 826,658, by S. Maw, Son & Sons, Ltd., New Barnet, Herts.

For preparations for protecting and preserving plants; insecticides, fungicides and vermin-destroying preparations, weed killers, moth-repelling and destroying preparations, insect-repelling preparations for veterinary use, and disinfectants (5)

PRIMIN, 829,410, by J. R. Geigy, S.A., Basle, 16, Switzerland.

From the "Trade Marks Journal," April 4

For chemical substances for use in agriculture and horticulture; and seed dressings (1)

FERNACOL, 828,768, by Plant Protection, Ltd., London, S.W.1, and Yalding, Kent.

For rinses being toilet preparations for tinting the hair (3)

REVLON COLOR UP, 817,277, by Revlon, Inc., New York, U.S.A.

For dentifrices (3)

BLENDAMED, 820,799, by Blendax-Werke R. Schneider & Co., Mainz/Rhine, Germany.

For cosmetics, toilet preparations for the hair and hair dyes (3)

POLYCLAIR, 824,134, by Therachemie Chemisch-Therapeutische, G.m.b.H., Düsseldorf, Germany.

For hair-setting lotions and shampoos (3)

MINIPERM, 824,196, by Superma, Ltd., London, W.4.

For hair-tinting preparations (3)

COL-HAIR-AMA, 825,636, by Jean-Duval (Continental Sales), Ltd., Winton, Bournemouth.

For detergents (not for use in industrial or manufacturing processes); cleaning, polishing, scouring and abrasive preparations (3)

EPICLENE, 824,592, by Parkinsons, Ltd., Burnley, Lancs.

For detergents (not for use in industrial or manufacturing processes) (3)

PANGO, 829,019, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

For all goods (3) and (5) and for hair combs and sponges; brushes; articles made from glass, porcelain and from earthenware; and toilet articles for the care of the body and for beauty culture (21)

BARNANGEN, 805,569-71, by Barnängens Tekniska Fabriker, A.B., Stockholm-Bromma, Sweden.

For pharmaceutical preparations (5)

DAYRENA, 829,204, by Farbenfabriken Bayer, A.G., Leverkusen 22c, Germany.

For surgical gauze for export (5)

BELVIEW, 786,003, FASTNET, 786,005, by Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks.

For antiseptic ointment (5)

Device with words "LEAPER'S" OINTMENT, B803,128, by J. T. Leaper, Ltd., Wicker, Sheffield, 3.

For volatile medicinal preparations for purifying air in enclosed spaces (5)

DOCTAIR, 815,310, by Perfumair, Ltd., Shudehill, Manchester, 4.

For preparations for use as nutritional additives to animal foodstuffs (5)

NURIS, 819,903, by Anglo-American Poultry Advisory Service, Prestwood, Great Missenden, Bucks.

For antibiotic substances and preparations, all for topical use (5)

FAGOMYCID, 821,962, by Leo Laboratories, Ltd., London, W.1.

For anaesthetics (5)

CELECAINE, 822,653, by A. B. Astra, Apotekarnes Kemiska Fabriker, Södertälje, Sweden.

For pharmaceutical preparations and substances (5)

LEOCIL, 821,963, by Leo Laboratories, Ltd., London, W.1.

For preparations of vitamins for use in medicine and pharmacy (5)

GERITOL BREAKFAST VITAMINS, 827,026, by J. B. Williams Co., Inc., New York, U.S.A.

For all goods (5)

TIA MIA, 827,062, by British Chemotherapeutic Products, Ltd., Bradford, Yorks.

For pharmaceutical and veterinary preparations and substances; and infants' and invalids' foods (5)

IETRA-ERBA, 827,454, by Carlo Erba, S.p.A., Milan, Italy.

For medicines for human beings and for animals (5)

TILDIN, 828,233, by Farbenfabriken Bayer, A.G., Leverkusen 22c, Germany.

For pharmaceutical substances and preparations (5)

ASMAIER, 829,338, by West Pharmaceutical Co., Ltd., Hove, 3, Sussex.

CONTEMPORARY THEMES

Subjects of contribution in current medical and technical periodicals

- ANTIAGONISTS, use of in drug-induced coma, *J. Amer. med. Ass.*, March 10.
- POLYPROPYLENE monofilament, *J. Amer. med. Ass.*, March 10.
- THIOGUANINE THERAPY, *J. Amer. med. Ass.*, March 10.
- TETRACYCLINE, long-term treatment of chronic bronchitis, *J. Amer. med. Ass.*, March 17.
- ATTENUATED MEASLES-VIRUS VACCINE, *J. Amer. med. Ass.*, March 17.
- RADIOTHERAPEUTIC METHODS, Evaluation of, *J. Amer. med. Ass.*, March 17.
- ORAL HYPOLYCAEMIC DRUGS, Out-patient assessment, *Lancet*, April 7.
- RADIOACTIVE HYDROXOCOBALAMIN, The preparation of, *Lancet*, April 7.
- PENICILLIN, Rheumatic fever treated with, in bactericidal dosage for six weeks, *Brit. med. J.*, April 7.
- ADRENOCORTICAL HORMONES, Pregnancy and, *Brit. med. J.*, April 7.
- MONITORING STEROID TRANSFORMATIONS, Rapid procedure for, *Nature*, April 7.
- AMYLASE, Photometric method for estimating, *Nature*, April 7.
- LATHYRINE, Structure of, *Nature*, April 7.
- DISTRIBUTION OF TASTE SENSITIVITY for phenylthiocarbamide in Yugoslavia, *Nature*, April 7.
- FOOT ROT, The assessment of the value of topical applications for the treatment of contagious foot-rot in Sheep, with particular reference to dichlorophen, *Vet. Rec.*, April 7.
- EPINEPHRINE, Stabilisation of, against sulphate attacks, *J. pharm. Sciences*, March.
- PHENOBARBITAL DEGRADATION, Mechanism of, *J. pharm. Sciences*, March.
- DRUGS AFFECTING THE LUNGS, Structure-activity relationships of, *J. pharm. Sciences*, March.

SHAMPOO SENSATION!

*Turn the page for your
preview of the most
exciting advertising for
a most exciting new
selling idea.*

Now Sunsilk offer a range of shampoos -
 here's one of the advertisements
 that tells the big story!

This shows
 we're talking to
 all hair types!

Whichever look fits your hair

The Sunsilk look means you're looking your loveliest!

The Sunsilk look is the way your hair looks when you've just shampooed with Sunsilk—the loveliest thing about you. Because your hair is shampooed with the *right* shampoo—the shampoo made specially for your kind of hair.

Whichever your kind of hair, you'll find of the new Sunsilk range of shampoos is formulated to care for it. Now you can choose the Sunsilk shampoo that's right for you... yourself the Sunsilk look.

now you can have the **Sunsilk** look

Sunsilk CREAM shampoo
 Is your hair dry?
 Then you need Sunsilk Cream Shampoo, specially enriched to nourish dry hair, making it soft and shining.

Sunsilk TONIC shampoo
 Is your hair dull, lifeless?
 Sunsilk Tonic Shampoo is a specially blended formula that revitalises dull hair, giving it new life and lustre.

Sunsilk BEAUTY shampoo
 But if your hair is normal
 If it is already lovely and you want to keep it that way, then Sunsilk Beauty Shampoo will give it the safe care it needs, because it is the gentlest shampoo there is.

Double pages
with full colour,
of course!

This shows the
range of different
shampoos —
tells customers
which one
they need.

Starting April, advertisements will appear in women's magazines and press - same theme in 30-second TV commercials throughout the year - a different commercial for each shampoo!

Ulay Vitamin Night Cream

This is to advise that supplies of this recently introduced vitamin night cream can be obtained through your usual wholesalers. 2 oz. jars only. Retail price 9/-.

(Normal trade discount applicable)

Distributors:

BIOMETICA LIMITED

Barnet By - Pass, Boreham Wood,
Herts.

(also distributors for Oil of Ulay and Lemon
Delph Freshener)

'LUTON' STRAW HAT DYES 'AURORAL' COLD WATER DYES

are nationally advertised and are regularly requested.
Attractive Pattern Cards and Showcards supplied.

Write for Price List giving full particulars to:
WHITAKER & CO. (KENDAL) LTD., KENDAL.

The FAMOUS

HAIR ROLLERS

"FABULO" Brand (regd.)

the world's best and cheapest (unbreakable) are available in

7 different sizes and counts

to suit every possible hair style

(4 to 5 sizes are required for certain hair styles)

Uniformed RETAIL PRICE of

2/4 per packet

and costing to the Chemist 18/8 per doz. packets inc. P.T.

**POPULARITY AND QUALITY
SECURE LARGE TURNOVER**

THE STANWOOD TREATMENT

FOR THE TOBACCO HABIT

SAFE — RELIABLE

PROVED EFFICIENT

SOLD BY CHEMISTS ONLY

MADE BY CHEMISTS FOR CHEMISTS

27/- PER DOZ. PLUS TAX 6/9
SELLS AT 5/-
OVER 2/- PROFIT ON EACH SALE

Obtainable from Wholesalers or direct from

**THORNTON & ROSS LTD.
LINTHWAITE
HUDDERSFIELD**

(British & Foreign Distributors)

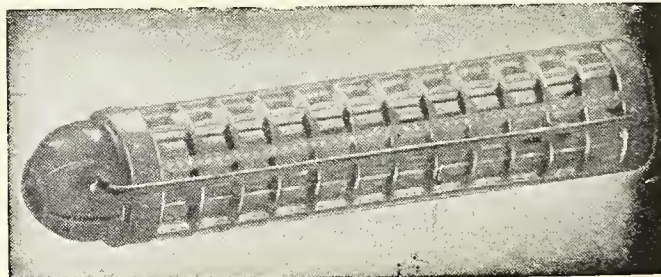
MANUFACTURED BY STANWOOD PROPRIETARIES LTD., BOLTON, LANCs.

BURROUGH'S ABSOLUTE ALCOHOL

JAMES BURROUGH LTD. 1 CALE DISTILLERY LONDON S.E.11

Comfort  Economy

THE HOSEZENE CO. LTD. NOTTINGHAM



Supplies and Metal Display Stands from the wholesale trade or direct from

HAETAM LIMITED

63 CORPORATION STREET, MANCHESTER, 4

Established 1921

Phone BLA 3082

INDEX TO ADVERTISERS

Abbott Laboratories, Ltd. Interleaved Edit.,	409	Keldon, Ltd. Price List Sup., Page 6	
Agroexport, Bucharest	54	Lake & Cruickshank, Ltd. Cover iv	
Allen & Hanburys, Ltd.	7	Lastonet Products, Ltd.	24
Allen, Stafford, & Sons, Ltd.	9	Lehmann, Frederick, Co., Ltd.	52
Ashwood Timber Industries, Ltd.	46	Loftus, Reginald	8
Associated Products (England), Ltd. Interleaved Edit.,	31	Macfarlan Smith, Ltd. Cover ii	
Ayrton Saunders & Co., Ltd.	42	May & Baker, Ltd. 48, 49	
Barker, Robert, & Son, Ltd.	46	Meggesson & Co., Ltd. Price List Sup., Page 3	
Beautisales, Ltd.	36	Merck, Sharp & Dohme, Ltd.	28
Bell, John, Hills & Lucas, Ltd. Price List Sup., Page 4		Miles Laboratories, Ltd.	25
Biometica, Ltd.	4	Modern Health Products, Ltd.	52
Biometica, Ltd. (Buto)	18	New Era Laboratories, Ltd.	35
British Journal of Photography	12	Newnes, George, Ltd. 26, 27	
Brown, Neville, & Co., Ltd.	55	Odhams Press, Ltd. 13, 14, 15, 16	
Brown, N. C., Ltd.	22	Optrex, Ltd. Front Cover	
Burgoyne Burbidges & Co., Ltd.	58	Organon Laboratories, Ltd. 37, 38, 39	
Burrough, James, Ltd.	4	Pharmaceutical Specialities (May & Baker), Ltd. (Poultry)	22
Burroughs Wellcome & Co. Price List Sup., Page 1		Progress Shaving Brush, Ltd.	56
Burson Elastic Stockings	53	Reckitt & Sons, Ltd.	23
Cartwright, W. B., Ltd.	40	Roberts Windsor, Ltd. 32, 33	
Chimimport, Bucharest	40	Robinson & Sons, Ltd.	35
Cooper, McDougall & Robertson, Ltd. 10, 11		Rochdale Metal Products, Ltd.	46
Cosette, Ltd.	44	Roll Boy Sales, Ltd.	44
Cox, Arthur H., & Co., Ltd.	5	Rybar Laboratories, Ltd.	35
Dales Pharmaceuticals, Ltd.	46	Salter, George, & Co., Ltd.	51
Daniel, Richard, & Co., Ltd.	36	Scholl Manufacturing Co., Ltd.	6
Dixor, Ltd.	50	Seymour, Jane, Ltd. (Sombrero) Cover iii	
Elga Products, Ltd. Price List Sup., Page 2		Silber, J. J., Ltd.	17
Esso Petroleum Co., Ltd.	41	Stanwood Proprietaries Ltd.	4
Foster-McClellan Products, Ltd.—G. T. Fulford Co., Ltd. (of		Sunsilk	1, 2, 3
Canada)	58	Suttley & Silverlock	56
Fryer & Co. (Nelson), Ltd.	54	Tedson, Thornley & Co., Ltd.	54
Gevaert, Ltd. 20, 21		Thirsk Equipment Co.	54
Glaxo Laboratories, Ltd. Interleaved Edit.,	410	Thompson & Capper, Ltd.	19
Gnome Photographic Products, Ltd.	44	Vacco, Ltd.	24
Goddard, J. G., & Co.	56	Vitamins, Ltd. 30, 50	
Goya, Ltd.	43	Washington Chemical Co., Ltd.	47
Grossmith, Ltd.	57	West Pharmaceutical Co., Ltd. Price List Sup., Page 5	
Haetam, Ltd.	4	Whitaker & Co. (Kendal), Ltd.	4
Holloway, E. R., Sales, Ltd. Interleaved Edit.,	34	Wrigley Co., Ltd., The	45
Hosceene Co., Ltd., The	4	Zcal, G. H., Ltd.	12
Hygienic Drinking Straws Co., Ltd.	45		
Illingworth, E., & Co., Ltd.	29		
Kay Bros., Ltd.	42		

COMPLEXION
TABLETS

50's—Bottles, Uncartoned
with pharmacist's name and address on label

Counter Display Material

Showouters of 1 dozen each

1 dozen 15/6 3 dozen @ 15/-
12 dozen @ 14/6 (+ 25% P.T.)

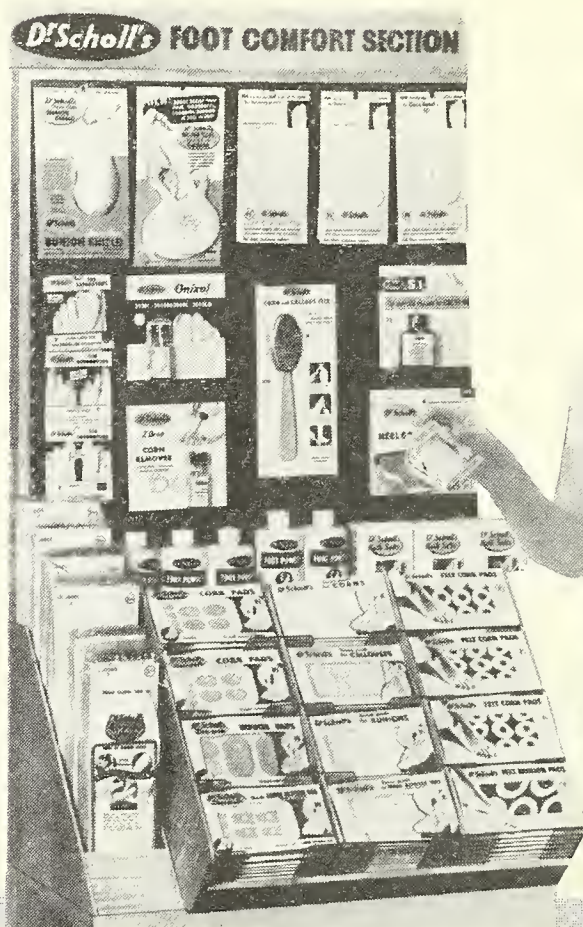
for sample and trade terms apply to

ARTHUR H. COX & CO. LTD
BRIGHTON • ENGLAND

Worth a shop window and an extra assistant to you!

When they go
shopping
they will look
for the

FOOT COMFORT COUNTER!



BUDGET

NO CHANGE IN RETAIL PRICES

There is no change in the Retail Prices of Dr. Scholl's Foot Aids. The 10% Purchase Tax Surcharge will no longer be added to invoices, and where increased rate of Purchase Tax applies, trade prices will be adjusted as necessary so that retail prices remain unaffected.

Dr. Scholl's

AIDS FOR THE FEET

ALLEN & HANBURY LTD

NEW PRICES DUE TO PURCHASE TAX REVISION

PRODUCT AND PACK	Trade Price each Net	Revised Purchase Tax	New Retail Price Inc. P.T.
Bynin Amara 10 fl. oz.	3/3	10d.	5/4
2 L.	20/-	5/-	33/4
Capriton tube of 12	30/4 doz.	7/7 doz.	4/5
Euvalerol B. & M. 8 fl. oz.	4/7	1/2	8/0½
20 fl. oz.	10/6	2/7½	18/4½
2 L.	32/-	8/-	56/-
Isogel 200 g.	4/8	1/2	7/8
5 lb.	38/-	9/6	60/-
Lixen Elixir 2 fl. oz.	1/2	3½d.	1/11
4 fl. oz.	2/-	6d.	3/4
8 fl. oz.	3/6	10½d.	5/10
2 L.	25/-	6/3	40/8
Lysantol Pastilles 2 oz.	11/4 doz.	2/10 doz.	1/8 ea.
Piriex 4 fl. oz.	2/6	7½d.	4/4½
2 L.	34/-	8/6	59/6
Superfatted Soap	7/4 doz.	1/10 doz.	1/- ea.

The above prices were operative on all goods
despatched on or after Tuesday April 10th, 1962

IMPORTANT ANNOUNCEMENT

THE Anti-Smoking Tablet Course

Batch No. 2

NOW AVAILABLE

Lof-u-dine

— THE PROVEN PRODUCT —

The Smoking Deterrent

AN AID FOR CESSATION OF SMOKING HABIT

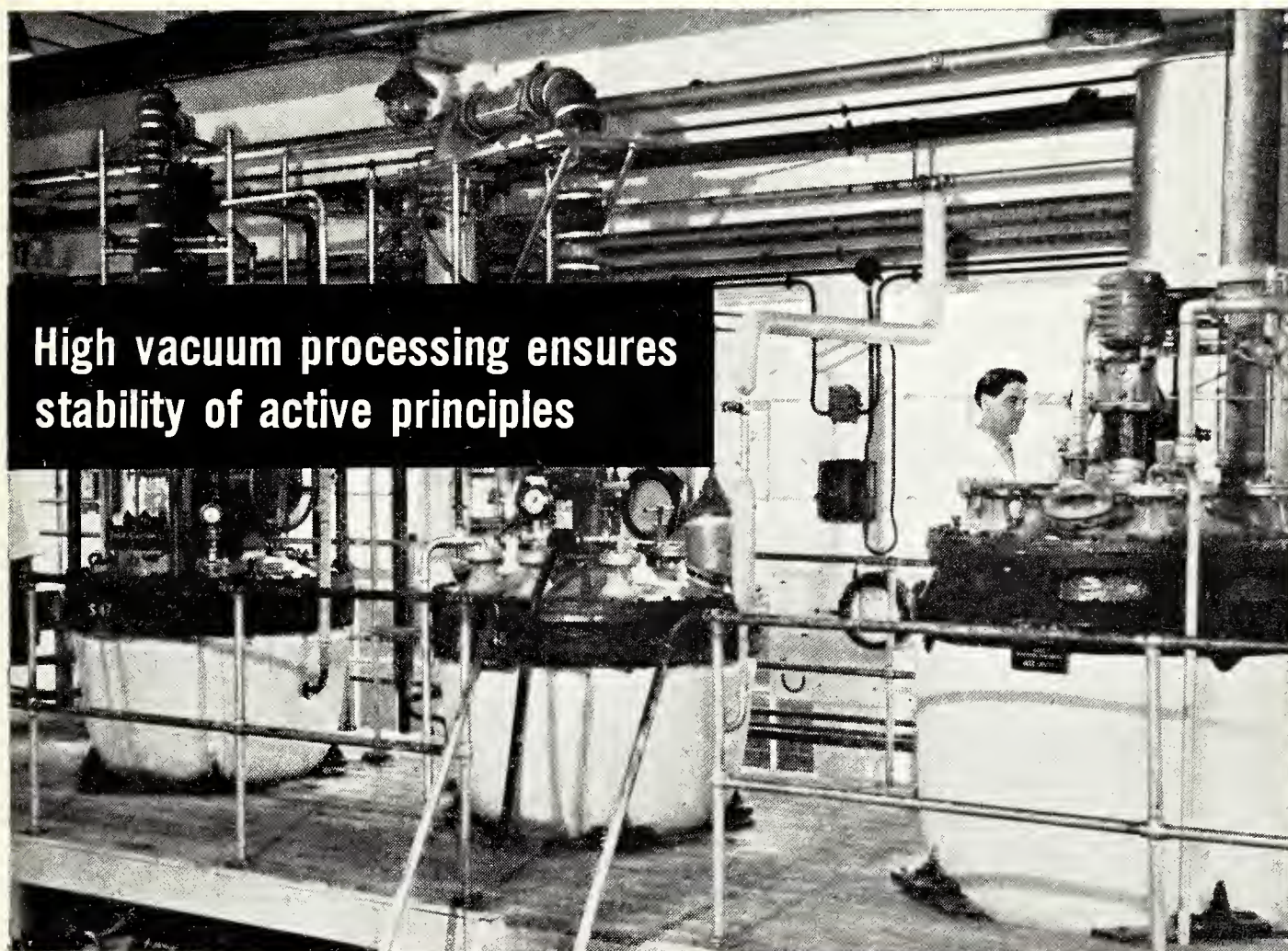
After four years' investigation the smoking deterrent LOF-U-DINE has now been marketed with a remarkable degree of success achieved locally in the Southern Area. Has ensured public demand. Hundreds of testimonials and press reports as to its efficacy have been received and are available for inspection.

Not only cessation of smoking takes place but the usual side-effects experienced such as Neurosis, Depression, etc., have now been overcome. Preliminary reports indicate that one feels mentally and physically improved after a course of treatment with LOF-U-DINE.

— Lof-u-dine is harmless, tasteless, simple to take —

★ Now available in limited supplies to **chemists only**, for over the counter sale. The product retails at 19/6 per course, **comprising one week course**. Profit to chemists, 5/6 per sale. Cost price per dozen 168/-, carriage paid. As an introductory offer small quantities can be supplied. Cash with order from :—

REGINALD LOFTUS, CHEMIST, PORTSWOOD JUNCTION, SOUTHAMPTON
TEL : 54757



StaffordAllenS

finest DRUG EXTRACTS



Liquid, solid, powdered and granulated drug extracts are produced in quantity by StaffordAllenS under the most ideal conditions. Stringent analytical control ensures the consistent high quality for which StaffordAllenS are famous.

For samples and quotations, write to or telephone :

STAFFORD ALLEN & SONS LTD., Wharf Road, London, N.1.

Phone: CLerkenwell 1000

TAS/AL. 751

B



**more buy COOPER'S
than any other
aerosols**

Note new prices: 3/11 POPULAR SIZE • 6/11 LARGE SIZE

COOPER'S MEAN BUSINESS

Here's why

In a
fast-growing market
**ONLY COOPER'S GIVE YOU-
HEAVY ADVERTISING**

Plus **DISPLAYS**

Plus **MARGINS**

Plus **BONUSES**

Plus **PRICE
MAINTENANCE**

**COOPER
AEROSOLS
MEAN
AEROSALES**

**STOCK
THESE
ALL TIME
WINNERS
PLUS**

Moth Proofer

Garden Spray

Dry Cleaner

Woodworm Killer

Window Cleaner

Ant Killer



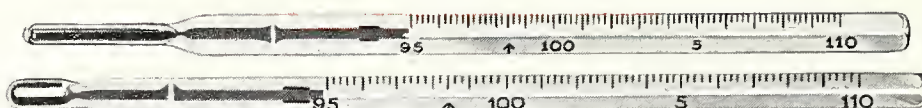
ZEAL CLINICAL THERMOMETERS

G. H. ZEAL LTD. announce that all British Standard Clinical Thermometers will now be supplied in accordance with 1961 (edition) of B.S.691*



Furthermore, the B.S.1 Kite Mark, an additional guarantee of quality and accuracy, will be engraved on all **ZEAL** British Standard Clinical Thermometers in future

AT NO EXTRA COST



also:

the usual comprehensive range of Oral, Rectal and Skin Thermometers is available.

* Explanatory Pamphlet available on request.



REGD. TRADE MARK

OBTAINABLE FROM ALL LEADING WHOLESALERS

G. H. ZEAL LIMITED

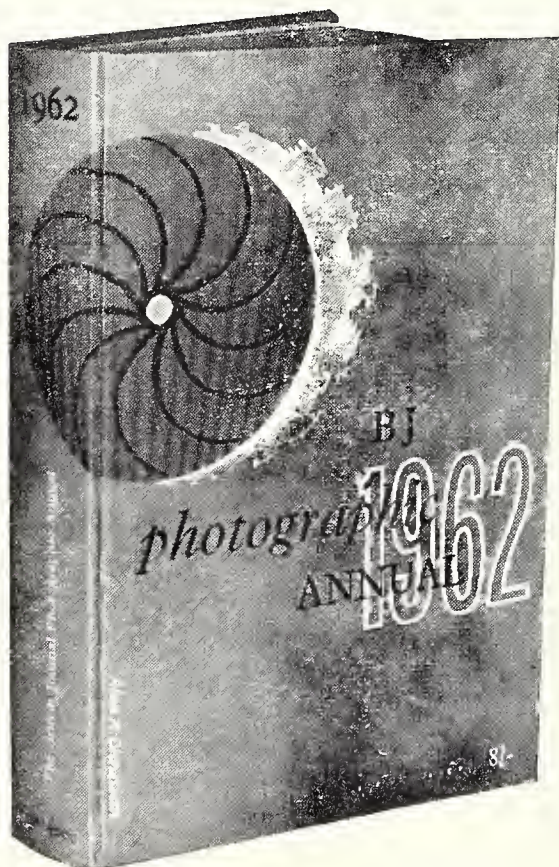
LOMBARD ROAD • MORDEN ROAD • MERTON • LONDON S.W.19

Telephone: LIBERTY 2283 (4 lines)

Grams: Zealdom, Sauphone, Landon



REGD. TRADE MARK



BJ photographic ANNUAL 1962

ON SALE APRIL 16

The British Journal Photographic Annual has been established for over 100 years, and this year for the first time has a new and brighter cover. Known as the Big Book of Photography it is the premier photographic annual appealing to professional and amateur alike.

It contains the largest section of processing techniques and formulas ever published in a book of this size or modest price and is a comprehensive guide to photography in general.

The popular edition is priced at 8/-, and the deluxe Library edition is 10/-.

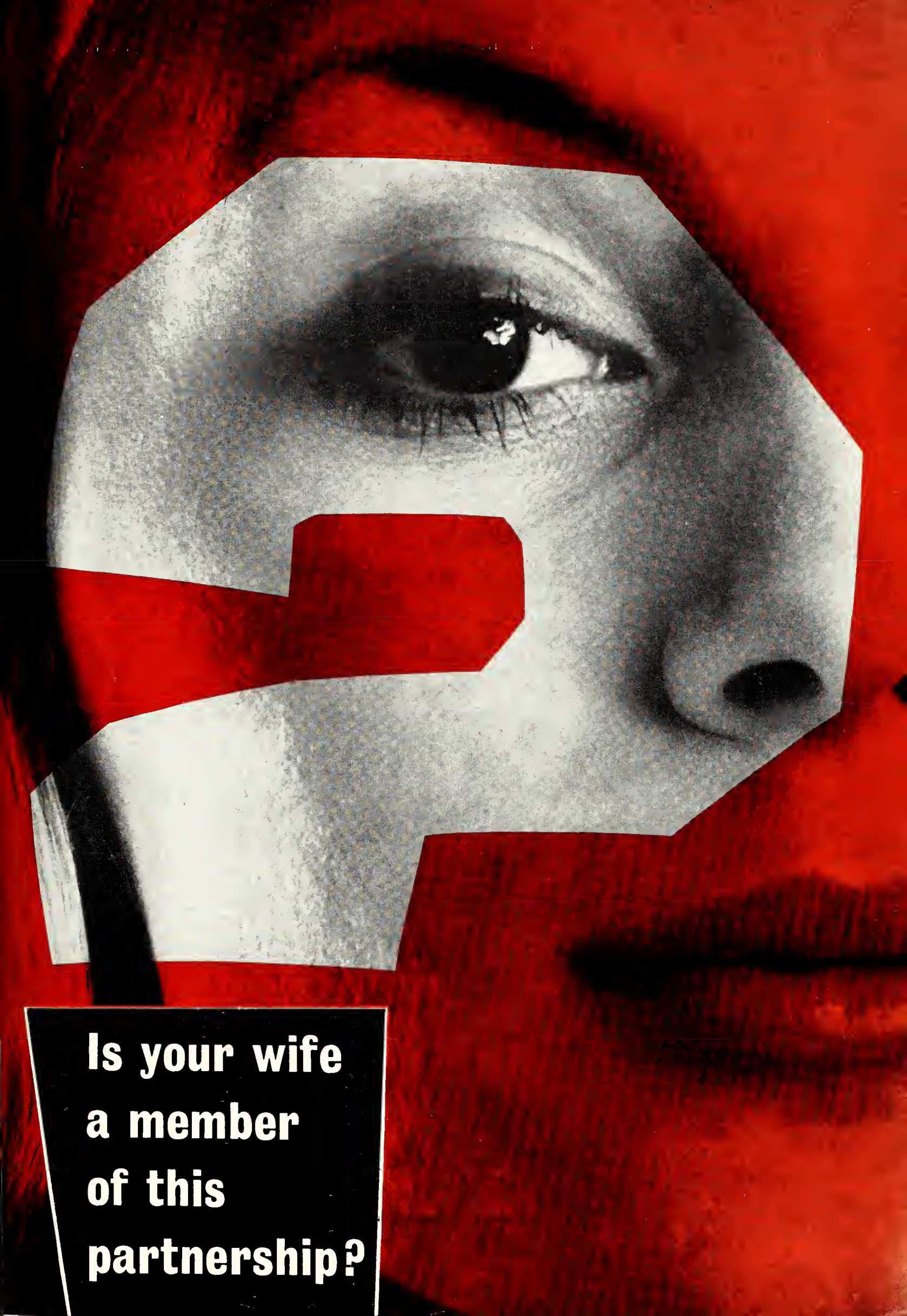
Both editions are limited and your early ordering will ensure supplies on publication day.

Obtainable from your regular wholesalers and published annually by:—

HENRY GREENWOOD & CO. LTD.,

24 Wellington Street, London, W.C.2

Telephone: TEM 5330



**Is your wife
a member
of this
partnership?**



What partnership

Wherever your business is situated, anywhere throughout Britain, you can take this for granted: better than one in every three women in your neighbourhood have one special link in common. They all read the weekly magazine 'Woman.'

That's a very fine profit insurance for you. You're certain of a sale for any product advertised in 'Woman.'

These 'Woman' women are so devoted to the magazine that we call them THE 'Woman' PARTNERSHIP—over 8,000,000 strong. They are really attached to 'Woman,' hook, line, and sinker. It's not a casual switch-on like TV; not a daily "husband's left-over" like a newspaper; but a real womanly get-together with no men present, which goes on for seven days of every week.

Quite a lot of them **must** shop with you. So every week they'll want 'Woman'-advertised goods. You have therefore a sure profit if you stock 'Woman'-advertised goods yourself. Link with the partnership and you link with assured sales.

Ask your wholesaler for partnership products

... those advertised in *Woman*

the most powerful weekly for women in the world

Ask
your wife
about
the
Woman
partnership

"They tell me that more than one woman in every three reads *Woman*. Is that right?"

"Well, nearly everybody I know either buys it or borrows it every week. Never heard about the 'partnership' though."

"They say that because it's developed into a sort of three-way partnership between women, advertisers, and retailers."

"Well, it is sort of a woman's club, you know. And if you read the same magazine you soon get the same outlook."

"And buy the same things?"

"A lot of them, I should say. *Woman's* always showing you how to keep up to date with cosmetics and things, and the advertising's all part of that, really. This lipstick I'm wearing. That came out of *Woman*."

"From an advertisement?"

"Bound to. After all, the advertisements are really all part of the business, aren't they? What you called partnership."



This is 'Woman' which controls a weekly partnership of over 8,000,000 women customers who trust 'Woman' to tell them what to buy.

'Woman' has the biggest weekly sale of its kind in the world—over 3,000,000 copies which are read by 41% of all women in the country. (July, 1960—June, 1961 I.P.A. Survey.)

The symbol below expresses the fact that 'Woman' is more than a magazine. It is a direct link with Britain's best customers who can only be influenced all **together** through its pages. We call products advertised there partnership products—they are sure sellers.

4 PAGES
OF NEW
KNITTEDS

SEE OUR
COVER
GIRL'S
MAKE-UP
METHODS

PAGE 26



FOUR
WAY
SEPARATES
FROM ONLY
25s.6d.

WORLD'S GREATEST WEEKLY FOR WOMEN
Week ending April 14 1962 Every Wednesday 6^p

Woman

Woman

A partnership of readers and
advertisers created by the world's
greatest weekly for women

John Dennett, Advertisement Director,
ODHAMS PRESS LIMITED,
96/98 Long Acre, London, W.C.2.
Telephone: Temple Bar 2468 (100 lines).
Telegrams: Southernwood Rand, London.

Halina

EQUIPMENT

for *QUICK* sales



Halina 35X

- ★ All metal precision 35 mm.
- ★ f/3.5/45 mm. colour corrected lens.
- ★ Synchronised shutter up to 1/200th sec.
- ★ Coupled film Transport and exposure counter.

IDEAL FOR BLACK/WHITE COLOUR

£7-15-5 Ever Ready case £1/8/6



Halina A1

- ★ TWO CAMERAS IN ONE
- ★ All metal.
- ★ 2½ × 2½ and 35 mm. on 120 film.
- ★ f/3.5/80 mm. colour corrected lens.
- ★ Synchronised shutter speeded up to 1/100th sec.
- ★ Coupled front lens focusing.

£10-12-11

Leather Ever Ready case £2/7/8



Halina VICEROY

- ★ TWO CAMERAS IN ONE
- ★ All metal.
- ★ 2½ × 2½ and 35 mm. on 120 film
- ★ Double meniscus f/8 lens
- ★ Actual size ground glass reflex viewfinder.
- ★ Synchronised for flash.

£3-19-10

Ever Ready Case 18/3

Halina

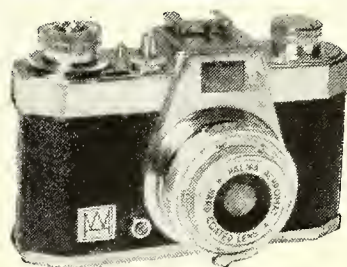
35 mm. TABLE VIEWER

- ★ Battery Operated.
- ★ The extra large, precision ground twin optically polished lenses are made from the world-famous Chance Pilkington Optical Glass giving perfect enlargements.
- ★ Large magnification 2½ times.
- ★ Lenses can be taken out for cleaning purposes.



39/6

Two U11 Batteries 10d extra



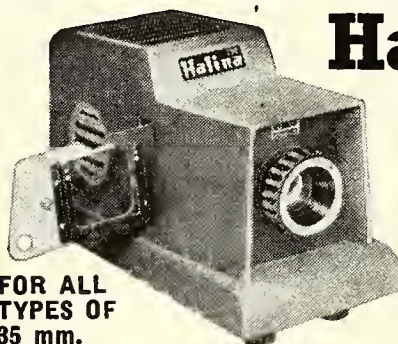
Halina PET

BEST VALUE IN 35mm. CAMERAS

- ★ Three apertures, 8-11-16.
- ★ Bulb and Instantaneous shutter.
- ★ ALL METAL with satin chrome/leatherette finish.
- ★ Synchronised for flash.
- ★ Double exposure prevention.

£4-19-11

Ever Ready Case £1-8-6



Halina 150

2' x 2' STILL PROJECTOR

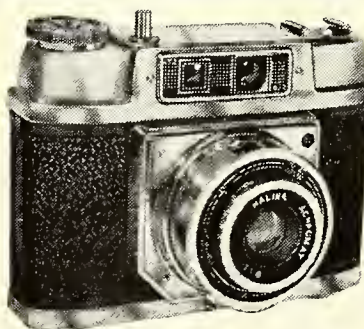
FOR ALL TYPES OF 35 mm. SLIDES

£8-19-6

150 watt lamp 21/9
Carrying Case 25/4

Can be converted to 300 watt projector in a few minutes by fitting the HALINA all-metal Fanbase. £5-5-0

- ★ 150 watt.
- ★ f/3.5/80mm. hard-coated colour corrected lens.
- ★ Double condensers.
- ★ Helical focusing.
- ★ All metal.
- ★ Heat absorbing filter.
- ★ Accepts all 2 × 2in. slides.



Halina 6-4

TWO-IN-ONE CAMERA
2½ × 2½ or 1½ × 1½

- ★ ALL METAL
- ★ Achromat lens f/8.
- ★ Front lens focusing.
- ★ Apertures 8-11-16.
- ★ Double exposure prevention.
- ★ Synchronised for flash (bulbs).

£3-19-10

Ever Ready Case £1-10-4 with detachable back.



J. J. SILBER LTD

40-46 Lamb's Conduit St. London WC1

Telephones HOL 4214/5/6, CHA 2237/3596

HAPPY

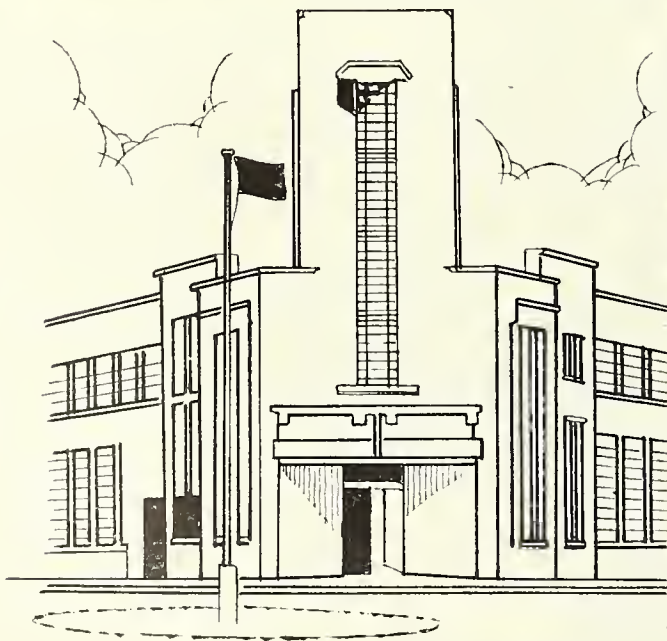
The Customer is happy, she knows that she can be sure of BU-TO

**HAPPY**

The Chemist is happy, he knows that BU-TO is a profitable line

**HAPPY**

We are happy in our lovely new, modern factory at Boreham Wood



**EVERYBODY IS
HAPPY WITH**

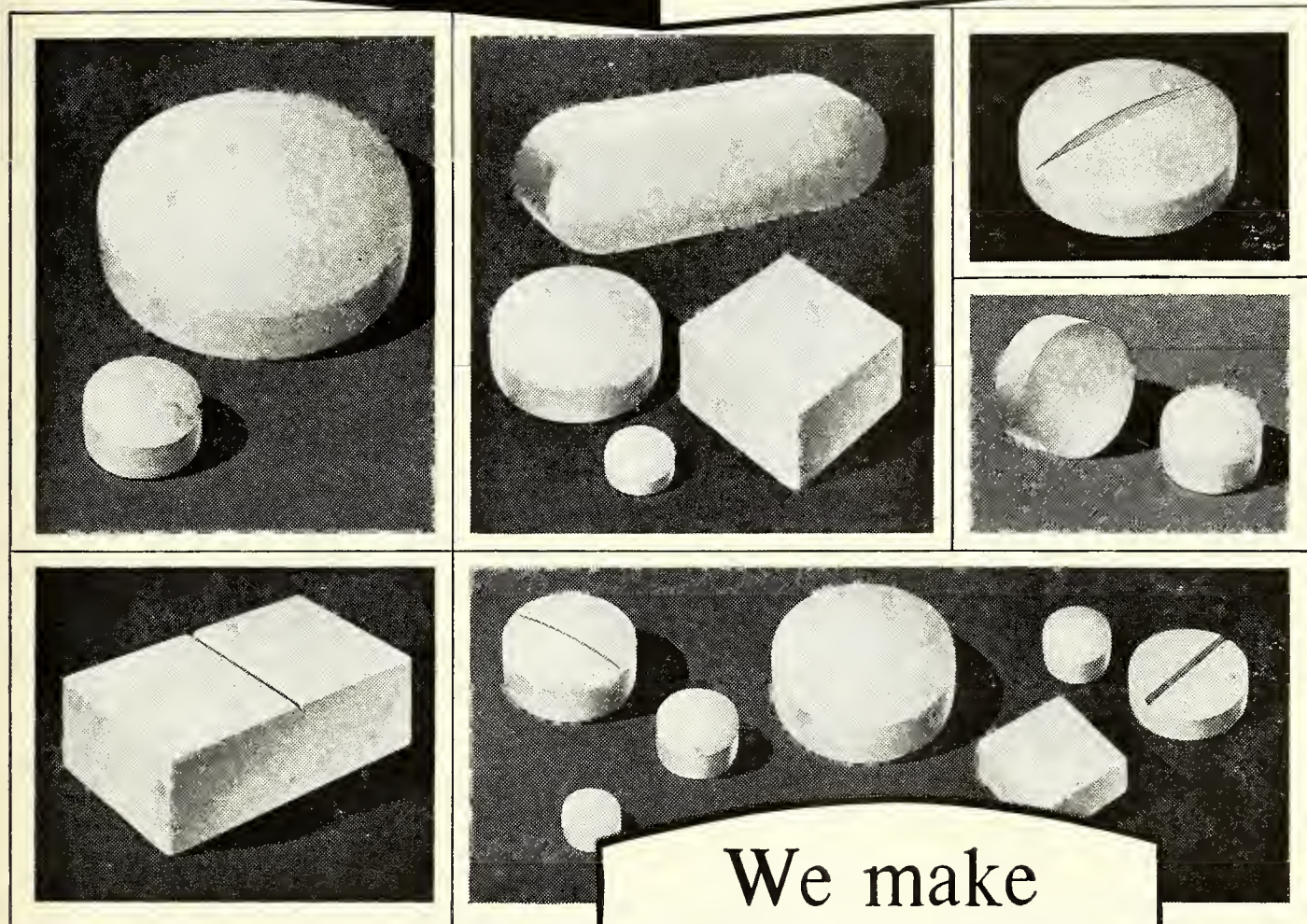


★ Nationally advertised in Women's Magazines and on T.V. in the Southern area.

★ Smart packs and counter dispensers.

★ Competitive prices—2/4d. 3/3d. 6/10d.

TABLETS by EXPERTS



We make
TABLETS

Competitive Prices and first-class "Own Name" label service for Tablets of Aspirin and Compound Codeine Tablets.

So many people think of Thompson & Capper when they want good tablets, because only the best is good enough.

If it's official tablets you're after, or you would like to see your product in tablet form, then Thompson & Capper are the obvious choice.

Whatever your needs in the way of tablets, you can depend on Thompson & Capper.

THOMPSON & CAPPER LTD.

MANUFACTURING CHEMISTS, SPEKE, LIVERPOOL, 24

Telephone: Hunts Cross 1321

BIGGEST

ADVERTISING

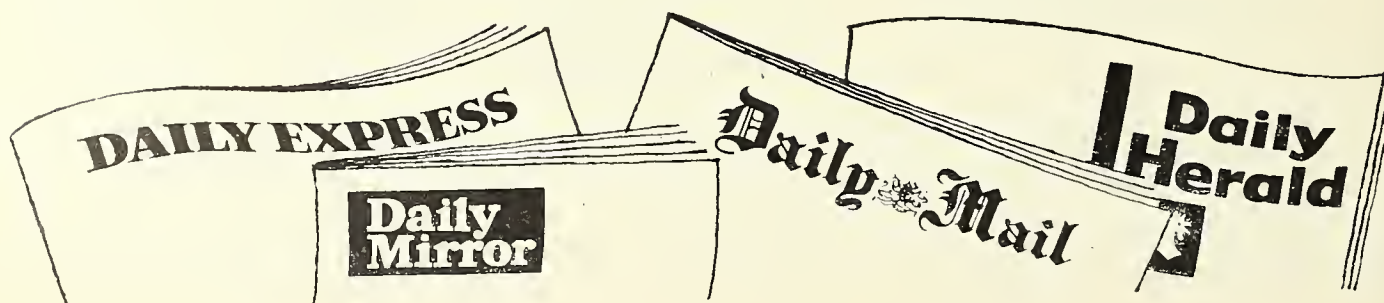
CAMPAIGN FOR

GEVACOLOR

WITH
NATIONAL
PRESS ADS
TV AND
CINEMA
COMMERCIALS

This year Gevaert plan the biggest ever, most concentrated national advertising campaign to promote Gevacolor film. In the Daily Express, Daily Mirror, Daily Mail and Daily Herald, there will be big advertisements with the theme of trouble-free natural colour photography, with GEVACOLOR—NATURALLY.

30-second TV commercials on the national network launch the campaign, and cinema commercials in colour continue in holiday areas in the summer months.



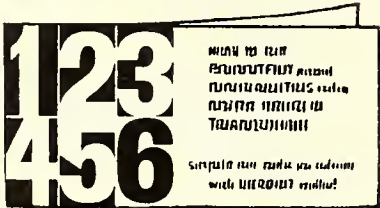
BACKED
BY
NEW
POINT-
OF-SALE
AIDS



—A PVC sticker, and a paper banner, in red, white and yellow, (like the Gevacolor film cartons,) with the mes- sage—WE SELL GEVACOLOR—NATURALLY!

—A new coloured cine show-card, with the message “*Natural Colour Movies from shooting to showing in the shortest time. By Gevacolor, Naturally,*” for your counter or window display.

—To give away with each roll of film you sell, leaflets giving simple advice under six basic headings on trouble-free colour photography.



Gevacolor advertising this year stresses the excellence of Gevacolor Paper for colour prints.

The amateur snapshotter will judge the quality of Gevacolor Negative Film by the quality of the prints you hand him.

You can rely on the superb Gevacolor paper—for the final excellence of Gevacolor prints.

GEVACOLOR
PAPER
A BIG SALES
‘PLUS’



Large-space advertisements in leading National Dailies can be seen over 400,000,000 times!

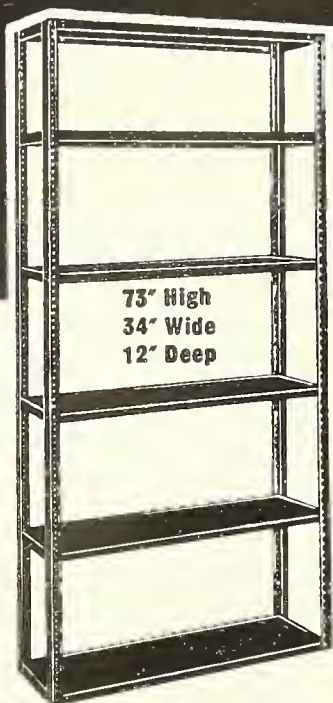
BIGGEST
DEALER
PROFIT ON
GEVACOLOR
FILM

This year your profit on Gevacolor Negative Film is greater than ever before!

For bigger sales of trouble-free colour photography—for more and more satisfied customers—for bigger profits—be ready for the great increase in demand for Gevacolor Film that this advertising will bring.



GEVAERT LTD • GREAT WEST ROAD
BRENTFORD • MIDDLESEX



Today's best value in heavy gauge **STEEL** **SHELVING**

£3.15.0

Also available in white at £5.15.0.
Extra shelves in white at 11/6 each.

Unassembled ready for erection

- Brand new—Manufactured in our own works.
- Shelves adjustable every inch.
- Heavy gauge shelves will carry 400lb. distributed weight each.
- Stove enamelled dark green.
- 6 shelves per bay—Extra shelves 8/- each.
- Quantity discount on orders for six bays or more.
- Send for Catalogue of other storage equipment.

DELIVERED FREE IN ENGLAND, SCOTLAND & WALES.
Satisfaction guaranteed or equipment replaced

N. C. BROWN LTD

Shelving Division, Heywood, Lancs.

Tel: 69018



Introducing **'EMTRYL'** soluble and tablets

A new product developed by MAY & BAKER research
For the treatment of BLACKHEAD in turkeys

SUPPLIES

'Emtryl' Soluble

2 oz. tin to medicate 10 gallons drinking water
8 oz. tin to medicate 40 gallons drinking water
1 lb. tin to medicate 80 gallons drinking water

'Emtryl' Tablets

for the treatment of individual birds
in containers of 25 and 100.

'EMTRYL'
trade mark brand
DIMETRIDAZOLE



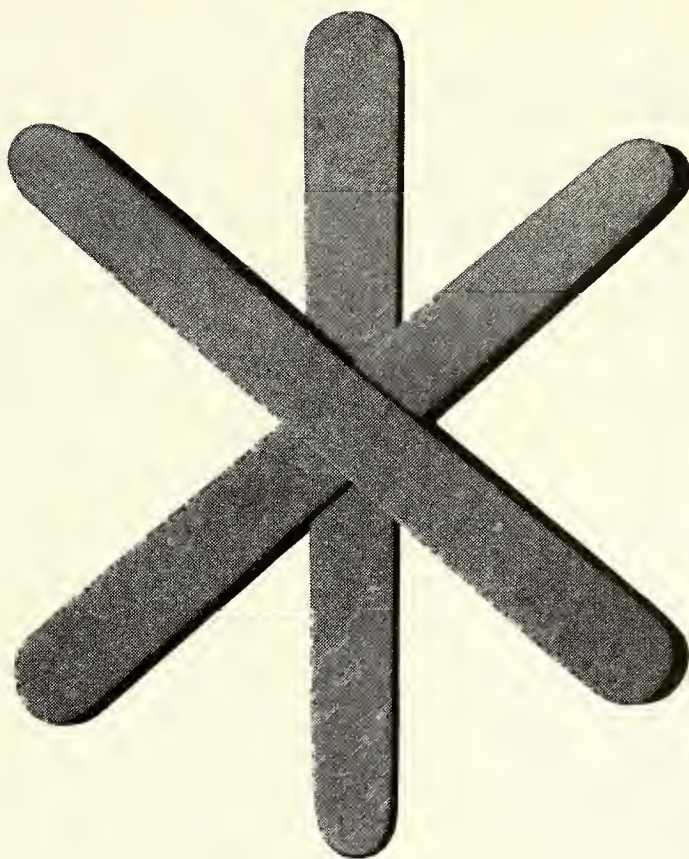
MANUFACTURED BY
MAY & BAKER LTD

FIVE REASONS FOR CHOOSING 'EMTRYL'

- 'Emtryl' is the most effective treatment yet introduced for blackhead
- 'Emtryl' is palatable to turkeys and does not reduce water intake
- 'Emtryl' Soluble dissolves readily in cold water
- 'Emtryl' has no effect on the colour or flavour of the flesh. 'Emtryl' Soluble gives a clear colourless solution which is non-staining
- 'Emtryl' is available as a soluble powder for medication of drinking water and as tablets for treatment of individual birds.

'Emtryl' Soluble and 'Emtryl' Tablets are being advertised widely to the poultry industry and in related professional journals throughout the country. Its proven success in field trials involving many thousands of birds leaves little doubt that 'Emtryl' will rapidly become the treatment of choice for blackhead in turkeys.

VA1858



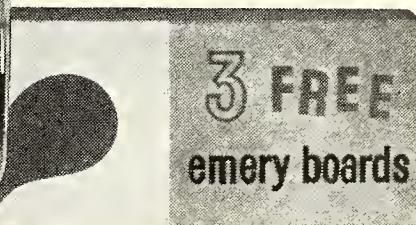
THREE FOR FREE!

* Now Britain's biggest-selling hand cream carries an added attraction—3 emery boards *free* with every large bottle or tube of Nulon. This is an offer that will appeal to every hand-conscious housewife, and women all over Britain will want to take advantage of it while it lasts.

Famous top-fashion model, Barbara Goalen, known to all women as an authority on good looks, has already boosted Nulon sales high with her recommendations on television. This free offer will still further increase the demand—make sure you are well stocked with Nulon to meet it!



Display material is available to tie in with this emery-board offer—also an attractive Barbara Goalen showcard in full colour.



VACCO de luxe BONUS PACK

offers you **EXTRA SALES**
and **EXTRA PROFIT**



**FIVE PER CENT
BONUS ON
THIS PACK**

RETAILS at £6.19.2 (inc. P.T.)

**15 Vacco de luxe
vacuum flasks.**

**5 Vacco de luxe
spare cups.**

**Price to Retailer
£4.9.11.**

(Plus P.T. 13s. 0d.)

Offer applicable in U.K.
only for delivery
1st Jan.—31st May 1962

Vaccco

REGD.

de luxe VACUUM FLASK

RETAILS AT ONLY **8/11**

Available in Standard size: 16 fl. oz.

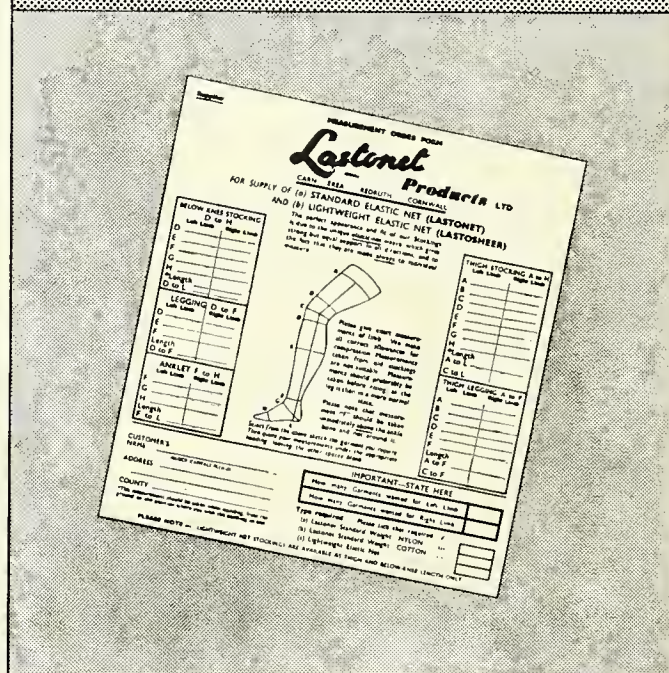
List item: Model V.L.P.

ONLY the new
VACCO de luxe
vacuum flask offers
you so many

**EXTRA—SALES
MAKING** features

- * Striking streamlined shape
- * Easy-clean rustless plastic casing
- * Will not dent or chip
- * Snap-on cup
- * Delightful colours
- * Screw-on, leakproof stopper

LET YOUR
CUSTOMERS
TAKE
ADVANTAGE
OF
PERFECT
SUPPORT



Varicose Veins, tired aching legs? Always give your customers a Lastonet measurement form. All Lastonet elastic net stockings are made to measure, thus by giving them a measurement form you are ensuring that their legs will receive cool comforting, EVEN support, so essential to these conditions.

RECOMMEND



**SURGICAL
HOSIERY**

Lastonet elastic net stockings are available within 3-5 days on receipt of your order and are supplied under the N.H.S.

LASTONET PRODUCTS LTD • REDRUTH • CORNWALL

Contact your wholesaler **NOW** or write to:
VACCO LIMITED, GROSVENOR GARDENS HOUSE, LONDON S.W.1.
Tel: VICTORIA 8785.

When you display NEW Alka-Seltzer **TWIN-PACKS**



You'll see

MORE SALES

MILES LABORATORIES LIMITED, STOKE COURT, STOKE POGES, NR. SLOUGH, BUCKS.

Shopping starts here for



Week after week in the women's mass market, **WOMAN'S OWN** carries the sales message of the nation's leading manufacturers of beauty, toilet, health and allied products into the homes of 7,329,000 women in Britain. In the colourful, informative and entertaining context of this great magazine advertisers' announcements freely command the confidence and consideration which bring these readers to the point of sale. Advertisements in

WOMAN'S OWN* mean increased sales for you. They build brand loyalties, promote pack recognition and directly influence the buying decisions of more than one in three of all your customers. If you would like more detailed information about **WOMAN'S OWN** as an advertisement medium, you are invited to contact the Advertisement Director, George Newnes Ltd, Tower House, Southampton Street, London WC2 Temple Bar 4363 (60 lines)

READERSHIP FIGURES FROM IPA SURVEY JULY 1960—JUNE 1961

Woman's Own —where

7¹/₄ million women

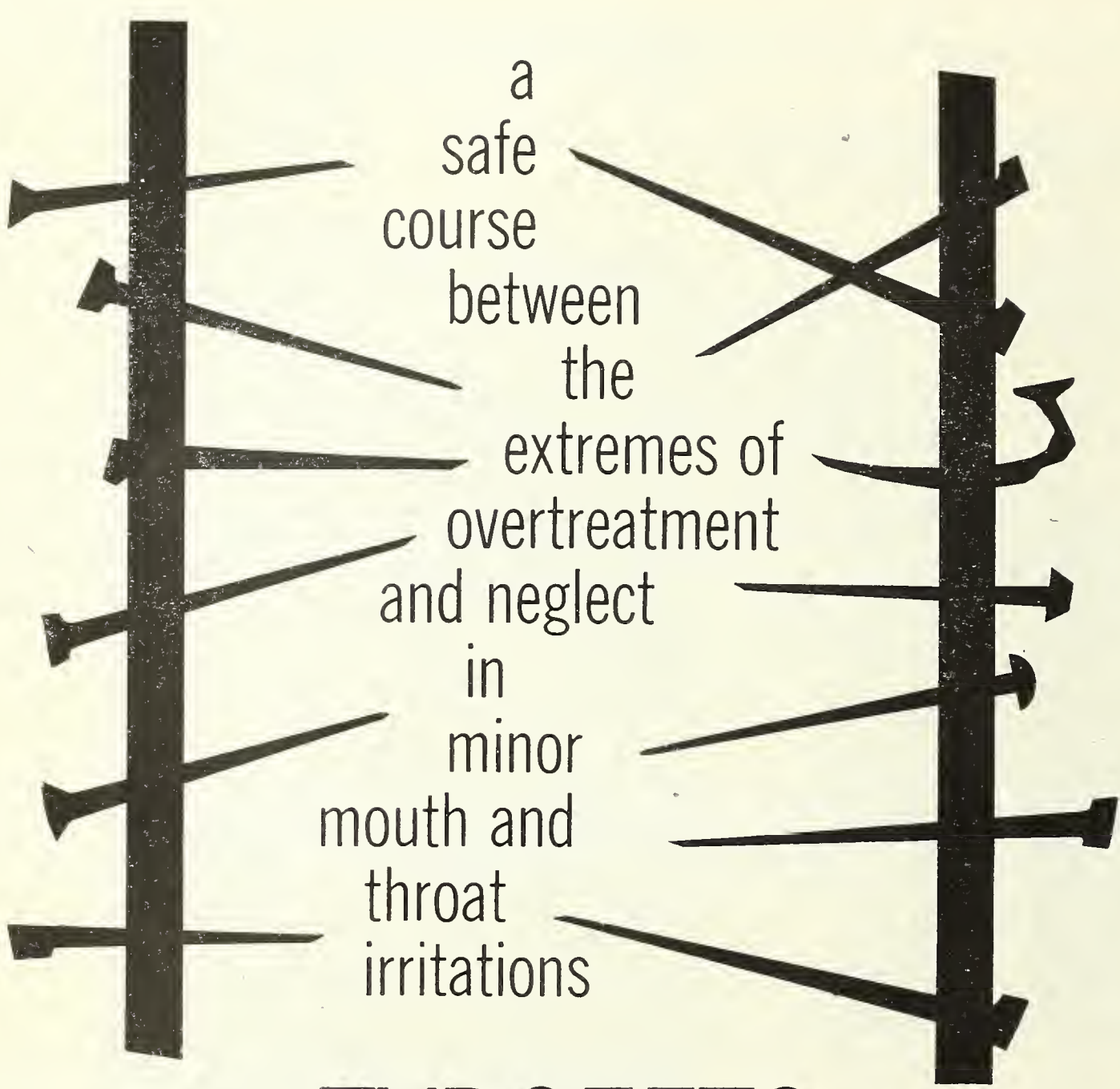
These are among the advertisers who choose the power and impact of **WOMAN'S OWN** to increase your sales

- | | |
|-----------------------------------|-----------------------------|
| Aero Shampoo | Lloyd's Adrenaline Cream |
| Amami Waveset | Limimits |
| Anadin | Luft/Tangee Ltd |
| Andrex | Marzine |
| Angiers Junior Aspirin | *Max Factor |
| Aspro | Medac |
| Astral Skin Cream | Mimosept |
| Astral Cream Soap | Moore Medicinal Products |
| Bathjoys | *Morny Ltd |
| Beechams Pills | Murine |
| Benger's Food | Nailoid |
| Bourjois Ltd | *Norman Hartnell |
| Breeze | Nurse Harvey's Mixture |
| British Chemotheutic Products Ltd | Odo-ro-no |
| Bu-to | Oil of Ulay |
| Cadum | Optrex Ltd |
| California Syrup of Figs | Outdoor Girl |
| Camilatone Ltd | Pacquin Hand Cream |
| Cannon Rubber Co. | *Palmolive Soap |
| Check | *Fears Soap |
| Colgate Dental Cream | Phensic |
| Cooltan | Phillips 'Milk of Magnesia' |
| Coty Products | Pin-Up |
| Crookes Lacto Calamine | Poli-grip |
| Cusson's Imperial | *Ponds Angel Face |
| Leather Toilet Soap | Prom Home Perm |
| Cutex | Pro-Plus |
| Cuticura Products | *Rapidol Ltd |
| Dae Health Laboratories | *Revlon |
| Delrosa Rose Hip Syrup | Ribena Pastilles |
| Dr. Wernet's Powder | *Richard Hudnut |
| Dettol | Rimmel |
| Du Lundi Body Mist | Robinson's Nikini |
| Elizabeth Arden Ltd | Savlon |
| Endocil | Saxin |
| E. P. Tablets | Scholl Manufacturing Co Ltd |
| Evan Williams | Sebbix |
| Ex-Lax | *Shulton Ltd |
| Farley's Infant Foods | Sleepies |
| Field's Fragrances | Soothe |
| Formula 21 | Spraymist |
| Gala of London Ltd | *Stablond |
| Germolene | *Steiner Products |
| Germoloids | *Sunsilk |
| Go Deodorant | Superma Ltd |
| Gon | *Supersoft Shampoo |
| Golden Babe Baby Pants | Swandown Cosmetics |
| Golden Ltd | Sweetex |
| Gordon Moore | *Tampax |
| Toothpaste | Tokalon Ltd |
| Grossmith Ltd. | Twink |
| Goya Cosmetics | Velouty de Dixor |
| Harmony | Vick |
| Heinz Baby Foods | Vitapointe |
| Helen Rubinstein Ltd | Vykmin |
| Johnson & Johnson | Woodwards Gripe Water |
| (GB) Ltd | Wrights Coal Tar Shampoo |
| Kodak | |
| lanolin Plus | |
| emskin | |
| Febouy Toilet Soap | |
| il-lets | |

*denotes colour advertiser

shopping starts





a
safe
course
between
the
extremes of
overtreatment
and neglect
in
minor
mouth and
throat
irritations

TYROZETS

Regd

THROAT LOZENGES

These universally accepted lozenges contain tyrothricin, a quick-acting and highly effective antibiotic, and benzocaine for its local anaesthetic effect. The agreeable flavour appeals to all — the young and not-so-young alike.

'TYROZETS' are supplied in counter display outers of 12 vials. They retail at 2/6d. per vial (exempt P.T.) and can be sold by pharmaceutical chemists without prescription.

Made in England by



MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS

Buy Your Opening Stock on BONUS TERMS 12 for 11

**A
NEW**

"TWIST"



Poloff

**TO
NAIL-POLISH
REMOVING**

Nails make news with POLOFF, the ingenious Continental success. POLOFF removes polish quickly in a new, convenient way. Nails are placed gently against the soft, saturated, felt lining. A twist of the wrist then cleans away all trace of old nail-varnish.

The POLOFF formula strengthens nails and cuticles, contains no harmful solvents. POLOFF is non-spill, perfect for travelling and lasts for months. POLOFF is a *proved* money-spinner.

Trade Price 32/10 doz. Purchase Tax 18/0³/₄ doz.
Selling Price 5/8 jar



**PRACTICAL
PROFITABLE**

Poloff

**ADVERTISING IN NATIONAL PRESS
AND WOMEN'S MAGAZINES**

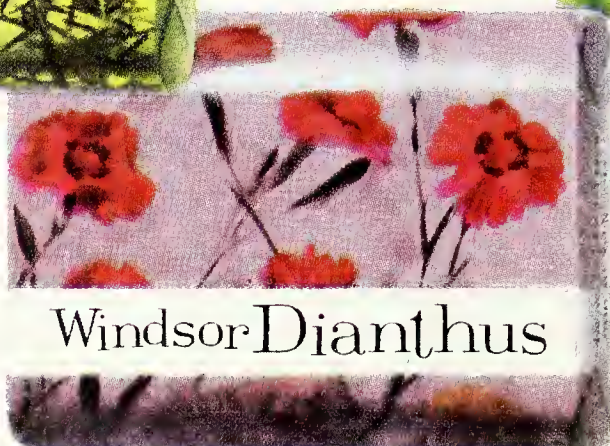
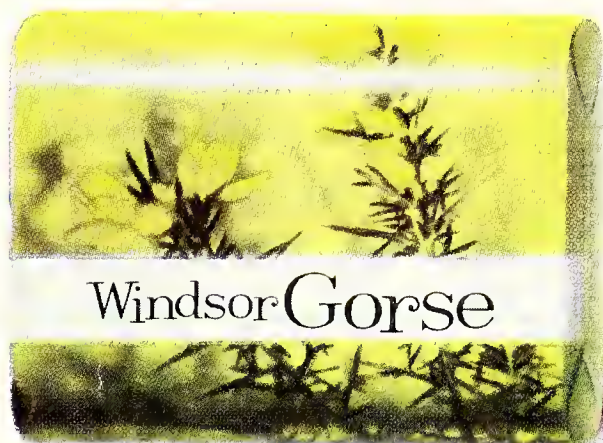
Fassett and Johnson Ltd., 86 Clerkenwell Road, London, E.C.1

New

WINDSOR SERIES

LAUNCH DATE MAY 25

exciting new range of fine soaps and matching toilet preparation



*By Appointment to
Her Majesty the Queen
Toilet Soap Makers
Roberts Windsor Ltd*



*By Appointment to
Her Majesty the Queen Mother
Toilet Soap Makers
Roberts Windsor Ltd*

New from the house of

ROBERTS WINDSOR

LONDON • WINDSOR • NOTTINGHAM

NEW SHAPE
NEW PACKS
NEW FRAGRANCES



Take your first look at the new WINDSOR SERIES. And look out for the powerful introductory advertising campaign — starting May 25th — to boost your first sales.

FULL IMPACT — FULL COLOUR ADVERTISING
FULL and DOUBLE PAGES — TOP MAGAZINES
LAUNCH DATE: MAY 25TH

ATTRACTIVE INTRODUCTORY OFFERS

Bonus Parcel Schemes

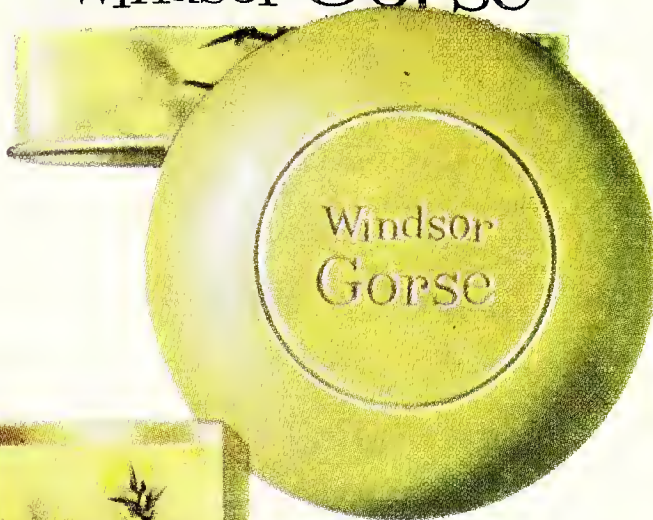
— details from our representatives

Powerful advertising, new shapes, packs and fragrances, will soon establish the new WINDSOR SERIES and make it one of your “best-selling” lines. Be ready for the launching date!

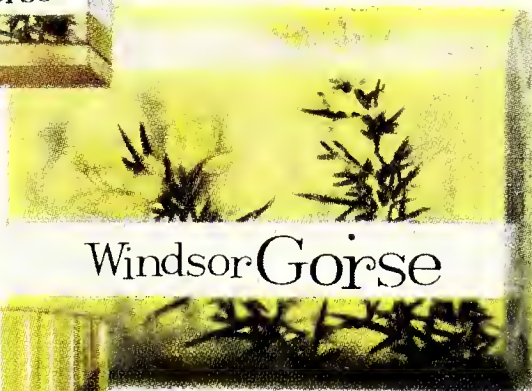
THE FULL RANGE OF TOILET PREPARATIONS IN EACH FRAGRANCE



Windsor Gorse



Windsor Gorse



Windsor Gorse



Windsor Gorse
COLOGNE STICK

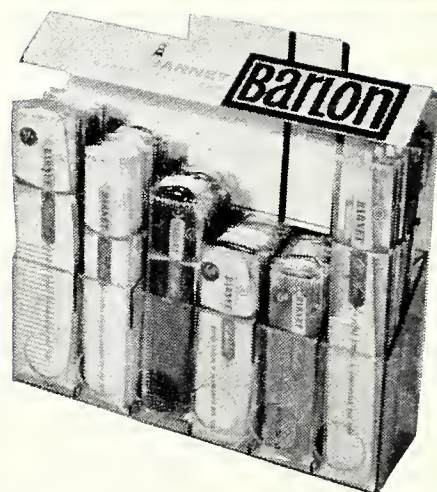
Each New Windsor fragrance comes in toilet and luxury size soaps, bath disks, bath cubes, talcum powders and cologne sticks.

**NO. 1 SUPER HYLITE**

Guaranteed 2 years, six styles
in assorted colours 9d to 1/6d

**NO. 5 NYLON**

Guaranteed 10 years, six styles
in assorted colours 1/4d to 2/3d

**NO. 2 BARLON**

Guaranteed 1 year, six styles
in assorted colours 6d to 1/-



**EVERY TIME YOU
TOP UP WITH
BARNET REFILLS
YOU MAKE EXTRA
PROFIT**



Barnet • SUPER • HYLITE

A NEW COMB GUARANTEED 2 YEARS

In a wonderful new material, tough but so attractive, these superb new combs retail at only 9d to 1/6d to sell fast from these elegant crystal cabinets. This is just one from the new Barnet range of eight cabinets; each showing a selected series of combs in just a few square inches of your counter — ready priced, easy to handle and profitable.

**ASK
YOUR WHOLESALE
FOR DETAILS NOW**

E. R. HOLLOWAY SALES LIMITED
BESSEMER ROAD • WELWYN GARDEN CITY • HERTS • WELWYN GARDEN 24444

NEW ERA
LABORATORIES LTD.

announce the following price changes

Effective from 10th April 1962

PRODUCT	Standard Wholesale Price per dozen	Purchase Tax per dozen	Retail Price Inc. Tax each
'Elasto' Tablets	48/8	12/2	7/1
" "	194/8	48/8	28/4
'Nervone' Tablets	48/8	12/2	7/1
" "	122/-	30/6	17/10
" "	194/8	48/8	28/4
'Elasto' Nature Salve	27/4	6/10	4/-
" " "	136/8	34/2	20/-
N.E.T.C.O. 444 Pills	32/8	8/2	4/9
'Zief' Tablets	68/8	17/2	10/-
" "	171/4	42/10	25/-
'Hymosa' Balm	44/8	11/2	6/6
" "	111/4	27/10	16/3

CECIL HOUSE · HOLBORN VIADUCT · LONDON, E.C.1
CENTral 6778

IMPORTANT
ANNOUNCEMENT

from May 1st 1962
the prices of

RYBARVIN
AND
RYBAREX
INHALANTS

will be increased

NEW PRICES

	Trade	Retail
½ OZ. BOTTLE	42/- DOZ.	5/3
1 OZ. BOTTLE	76/- DOZ.	9/6
4 OZ. BOTTLE	288/- DOZ.	36/-

Exempt from Purchase Tax

RYBAR LABORATORIES LTD.,

TANKERTON · KENT

NOW
SO MANY
WOMEN
ARE CHANGING TO
NIKINI



TRY
NIKINI

You'll prefer it to any other sanitary protection

Modern women are changing to NIKINI - the most up-to-date sanitary protection. This method is so comfortable, so reliable, doubly sure how- ever active you may be. NIKINI is a brief bikini-like garment fashioned in fine nylon film which holds disposable NIKINI PADS securely in place. NIKINI PADS are super soft, extra absorbent, with completely waterproof backs. They are better yet cost less than other towels. Only 1/6d for 12 NIKINI and NIKINI PADS give greater comfort than ever before, with no bells, no pins or unsightly bulges. Change now to NIKINI and become a truly modern woman.

Nikini Garment 8/11 - Nikini Pads 1 8 for 12. Ask your usual supplier, or write for full details to ROBINSON & SONS LIMITED, WHEAT BRIDGE MILLS, CHESTERFIELD.

NATIONAL ADVERTISING CREATES DEMAND

Inset is one of the new series of striking advertisements now appearing in mass-circulation women's magazines, seen by millions of women throughout the country, NIKINI is the most talked about development in sanitary protection since the first disposable towel was introduced. Once tried it is preferred to any other protection.

Note: You may obtain a special discount of from 5% to 10% by including "Mene Towels" on your order for "NIKINI-pads"—ask about it now! Be sure of your share in the NIKINI success story—make full use of the free display materials available from:

ROBINSON & SONS LTD., WHEAT BRIDGE MILLS, CHESTERFIELD

TWO HAIR TREATMENTS TO RECOMMEND

The only DANDRUFF TREATMENT
with a BIG reputation
in 9 European Countries

Gill's DANDRUFF REMOVER
Medicated SHAMPOO

Brings instant relief in the most severe cases

Dandruff in its worst form responds immediately to Gill's Dandruff Remover Medicated Shampoo, a product sufferers will appreciate and bring you many repeat sales.

PRICES:

Wholesale 19/- (plus P.T.) per dozen to retail at 2/9 per bottle. Sachets: 5/8 (plus P.T.) per dozen (minimum order 3 dozen). Retailing at 9d. each (inc. P.T.)

Also made and distributed by

EUGENE-GALLIA Paris and Barcelona
**BEAUTISALES LTD., 35 OLD BOND STREET,
LONDON, W.1.** Telephone: HYDe Park 2565-6
Eire Agents: MUR-RA LTD., 10b Fishamble St., Dublin, Eire

... and for customers with thin and
falling hair — you can recommend with
fullest confidence

**Jochem's WONDERFUL DUTCH
HAIR PREPARATION**

**Hundreds of Testimonials
from both men and women**

Your customers whose hair is becoming thin or falling or who suffer from premature baldness will thank you for recommending Jochem's. A sure money maker.

PRICES:

110/- per dozen or 9/8 per bottle for less than one dozen.
(All prices plus P.T.). To retail at 19/6 per bottle (inc. P.T.)

IF YOU ARE LOOKING FOR A TABLET MANUFACTURER TO HANDLE YOUR PRODUCT
BE IT LARGE OR SMALL, IN THOUSANDS OR MILLIONS, WHY NOT

CONTACT ONE OF THE FOREMOST MAKERS WHO HAVE TAKEN PRIDE IN

MANUFACTURING TABLETS & PILLS FOR MANY YEARS

RICHARD DANIEL & SON, LTD. DERBY

Write us at Mansfield Road or ring Derby 40671 (Ten lines)

A NEW LOOK FOR THE FACE OF ENDOCIL

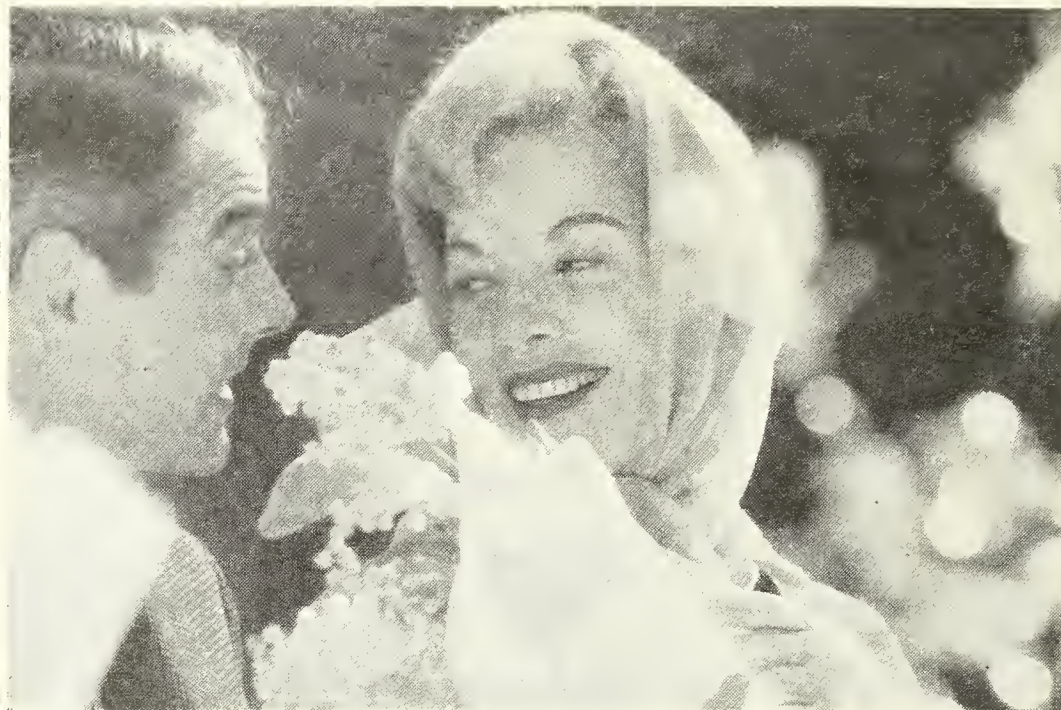
Everything about Endocil has changed for the better. *But Endocil itself could not be bettered.* Inside the new jar, inside the new tube, is the same Endocil beauty cream that so many women over 30 swear by. It holds a new promise for them—to renew the skin's youth in 21 days!



The new black and gold tube holds as much Endocil as before and sells at 5/8 (incl. P.T.)

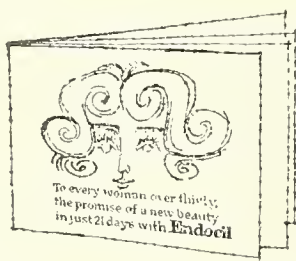
This handsome black and gold jar holds 25% more Endocil than before, yet sells at only 12/5 (incl. P.T.)

A NEW LOOK FOR ENDOCIL ADVERTISING



Because life is for living, for growing lovelier with the years...

***To every woman over thirty
Endocil makes this promise:
your skin can be young again
—and you will see it happen!***



Endocil is made by Organon Laboratories Ltd., Brettenham House, London, W.C.2.

Endocil offers you this free booklet telling you all about the 21-day Endocil Beauty Treatment and how it restores your skin to youthful beauty. Ask your chemist for a copy. Or write to the address below.

Endocil costs 12/8 for a treatment jar or 5/10 for a tube. It is specially priced so that every woman can afford to keep her skin young.

This is a promise that only Endocil can keep: that your skin can be restored to the height of its beauty, and stay beautiful with regular Endocil treatment. Scientific tests prove that Endocil penetrates deep within your skin, activating your own cells to recreate the life-giving moisture which restores the bloom of youth to your skin.

Use Endocil for 21 days, and you will see and feel this happen. Science has given you back your birthright. You can have a supple, dewy-soft skin, now that hormone-enriched Endocil has been discovered. Regular Endocil will keep your skin young—always.



Endocil
BEAUTY TREATMENT CREAM

Endocil makes the strongest promise any beauty cream can make a woman—a renewal of the skin's youth in 21 days. *This is the new promise of Endocil.* What other beauty cream can make such a promise—and keep it? Science proves that Endocil can.

The Endocil promise is blazoned in exciting new advertisements in the daily and Sunday papers (the very first time in the national press for Endocil) as well as in the most influential weekly and monthly women's magazines.

**You will be asked for Endocil, increasingly,
by the women who read these :**

DAILY TELEGRAPH	QUEEN
SUNDAY TELEGRAPH	HOUSEWIFE
SUNDAY TIMES	MODERN WOMAN
WOMAN'S OWN	WOMAN & HOME
VOGUE	WOMAN'S JOURNAL

A NEW LOOK FOR YOUR PHARMACY WITH ENDOCIL

Women who have never before heard of Endocil will be attracted by the promise it makes to *renew the skin's youth in 21 days*. They will be asking you for the free 21-day

beauty treatment booklet offered in Endocil advertisements. Make sure you have a good supply of these booklets and of the other display material as well.

Endocil promises you that your skin can be young again



**Display unit
for the window**

Endocil promises you
that your skin can be
young again



**New display outer
for Endocil tubes**



**Smaller unit
for the counter**

NEW PROFITS FOR YOU WITH ENDOCIL

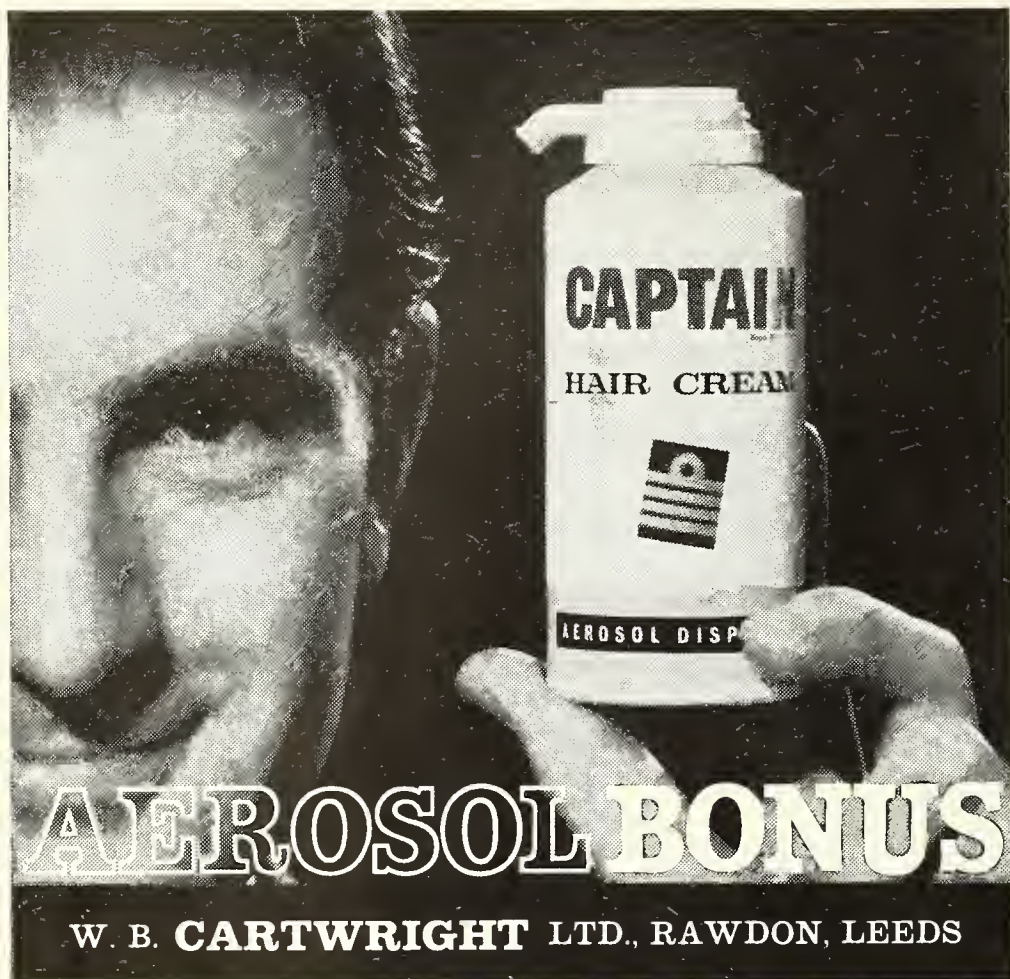
Endocil gives you high profit margins—with 33½% profit, plus an extra 12½% for display on 4 or more jars or on 12 or more tubes.

Endocil is sold only through pharmacists. And you'll be selling more than you've ever sold

when the new advertising breaks. You can recommend Endocil confidently because it is scientifically formulated and tested. Don't forget that, once a woman uses Endocil, she'll be back for it again and again and again to you, her pharmacist.

Endocil*

HORMONE-ENRICHED BEAUTY CREAM, MADE BY ORGANON LABORATORIES LIMITED,
BRETTENHAM HOUSE, LANCASTER PLACE, LONDON, W.C.2.



AEROSOL BONUS

W. B. CARTWRIGHT LTD., RAWDON, LEEDS

12 for the price of **10**

6 doz and over
(one delivery assorted)
order to include minimum of
 $\frac{1}{2}$ doz Captain Hair Cream

12 for the price of **11**

3 doz and over
(one delivery assorted)
order to include minimum of
 $\frac{1}{2}$ doz Captain Hair Cream

'Lady Gay' Hair Set Spray
Retail 5/11d

'Lady Gay' Tint Glo
coloured lacquer
(state shade) Retail 7/9d

'Captain' Hair Cream
Retail 5/3d

'May Breezes'
(Air Refresher) Retail 3/9d and 6/9d

'Insectox'
(Fly Spray) Retail 3/9d and 6/9d

'Casino' SuperTAN Spray
Retail 5/11d

'Lavender'
(Mothproof) Retail 3/6d

'Easy-On' Spray Starch
Retail 4/9d and 7/3d

DIRECT ORDERS ONLY

ORDER NOW

Before Bonus Offer expires



CASTOR OIL

- Pressed (1st grade, first pressing). Complies with BSS 650/950 FFA maxim. 1.5
- Extraction FFA maxim. 5
- Pharmaceutical grade

Supplied on convenient terms by:

CHIMIMPORT

Bucharest — Rumania

12 Doamnei St. • P.O.B. 525

Telex: 215 • Telephone: 16.06.36

Cables: CHIMIMPORT-Bucharest

ORDERED YOUR FLIT YET?

HURRY! Bonus offer for 1962 closes definitely by 30th April

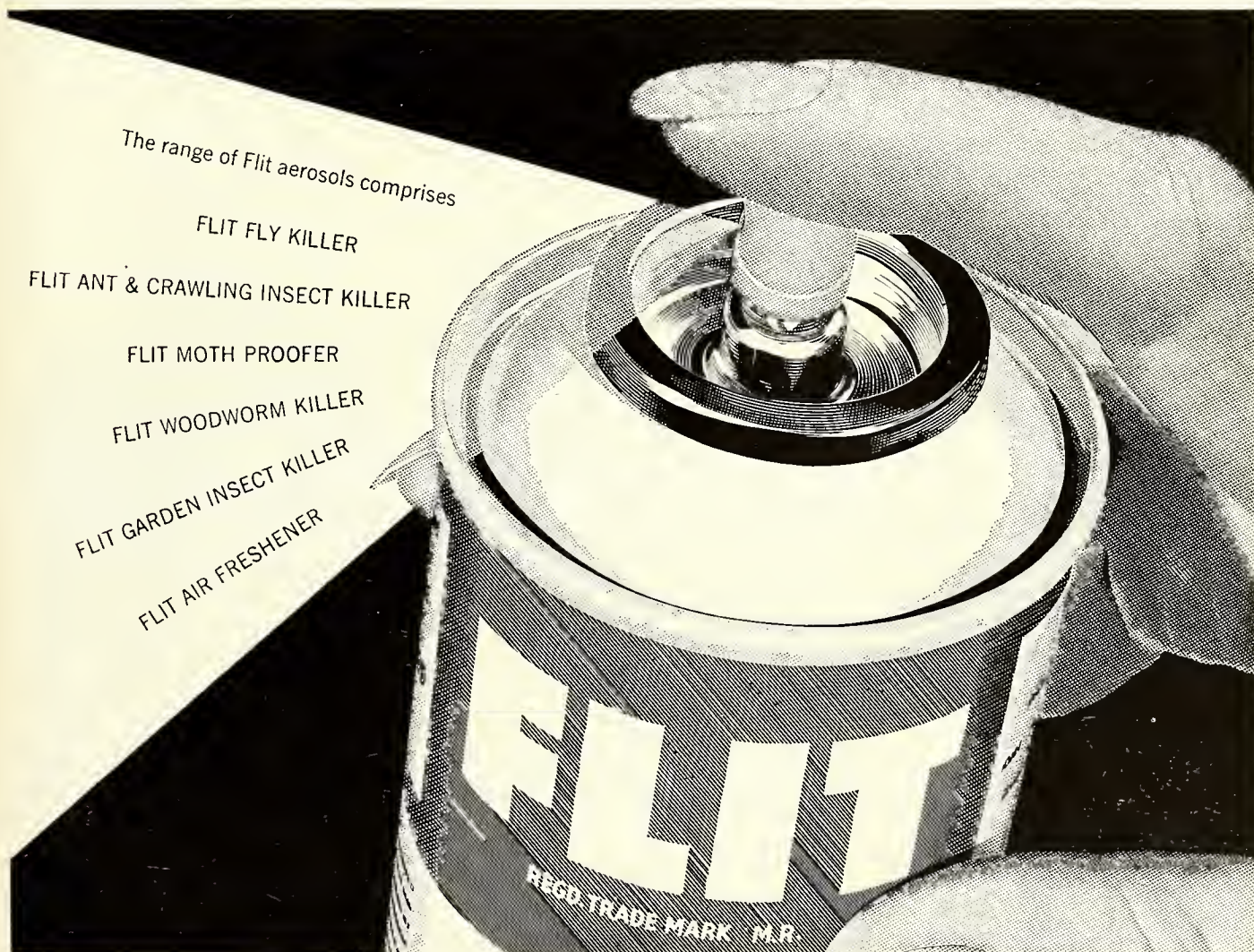
4 DOZEN ASSORTED AEROSOLS— 5%

9 DOZEN ASSORTED AEROSOLS— 7½%

15 DOZEN ASSORTED AEROSOLS—10%

and special bonuses on all other Flit lines, too!

Your order must be received in time for delivery on or before 30th April 1962. Fast-selling Flit aerosols are advertised nationally throughout the whole selling season. Your customers know Flit, trust Flit, *buy Flit*. Place your order now!



Still the safest and cheapest way to kill flies

honey pot



FLYCATCHERS

...and still in steady demand whenever flies appear. HONEYPOT FLYCATCHERS are priced right for your customers and for YOU. Work out the generous profit margin — see how much it pays to stock HONEYPOT FLYCATCHERS.

HONEYPOT FLYCATCHERS are guaranteed to stay fresh in your store. They come in smart, modern, eye-catching display boxes.

*Order now from your usual wholesaler,
or send enquiries to:*

MELTONIAN WREN LIMITED · GREATHAM ROAD · WATFORD

Your Price:

Under 3 gross.
36/- per gross.
3 gross and over.
32/- per gross.

Retail price
4d



T.18

AYRTONS Fairyspun Leg Tan

- **FAIRYSPUN**, the liquid stockings of the teenage Miss.
- **FAIRYSPUN**, the glamorous leg tan for the choosy Miss.
- **FAIRYSPUN**, the wise buy for all, for product, pack and presentation.
- **FAIRYSPUN**, the pharmacist's line, combining high quality and profitability.
- **FAIRYSPUN**, Retails at 2/9 per 4 oz. bottle. Costs 12/- per dozen T2.



AYRTON SAUNDERS & CO. LTD., HANOVER STREET, LIVERPOOL

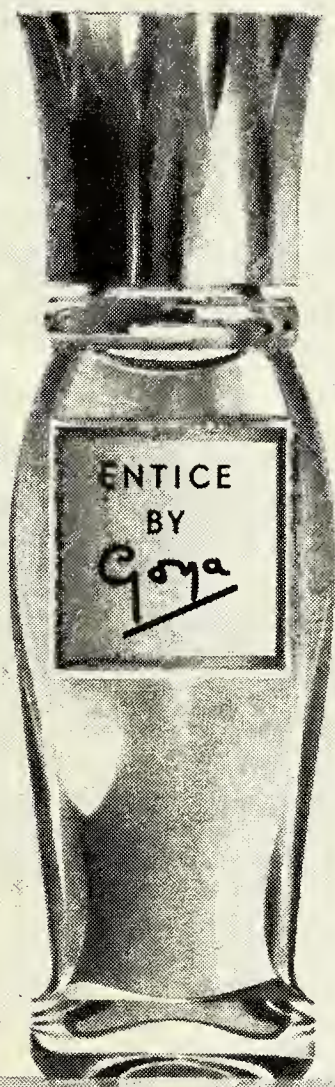
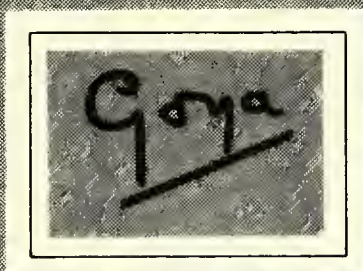
Also at **DUBLIN & PRESTATYN**

It's New!

It's Young!

It's Brilliant!

ENTICE



The exciting
new perfume with
the irresistible
sales appeal

*

Entice sells with the
secret of Patchouli—
one of the most
characterful of the
essential oils.

*

Entice sells with
brilliant, gold and
white, packaging.

*

Entice sells with a
fabulous Entice family
of Fragrance Products

*

Entice sells with
irresistible displays at
point-of-sale

The most
powerful perfume
advertising
campaign ever!

*

Starting June and right
through to Christmas
Full colour pages for
ENTICE in

* WOMAN

* WOMAN'S OWN

* WOMAN'S REALM

* HONEY

* VANITY FAIR

* TRUE MAGAZINE

* EVERYWOMAN

* WOMAN & BEAUTY

* MODERN WOMAN

* SHE

* PHOTOPLAY

* TRUE STORY

* TRUE ROMANCES

* WOMAN'S STORY

ENTICE PERFUME SALES YOUR WAY

Stock & Display ENTICE!

GOYA LTD · 161 NEW BOND ST · LONDON W.1

**IN FOUR
COLOURS
WITH A
ROLL BOY
HAND
PRINTER**

**Price
Complete £3.3.0**
CARRIAGE PAID



Pharmacists! Identify your wrapping paper, letterheads and stationery with your Shop title in up to four colours. The Roll Boy Hand Printer produces brilliant, non-smudge wording and designs to your own specification. Roll Boy's precision-made rubber stereo lasts indefinitely and will make thousands of good impressions on your behalf.

Write for full details and descriptive brochure to:

Telephone: 610132

ROLL BOY SALES LIMITED

DEPARTMENT C.D., 70 PILGRIM STREET, NEWCASTLE UPON TYNE, 1.

Ever increasing
sales make

COSETTE

No Belt

the most popular and
profitable Sanitary
protection

The original No-Belt briefs have given thousands of women the carefree protection that difficult days demand. They give you a very handsome profit, too, so order now for another successful season.



Nationally advertised in
leading women's magazines

RAYON Trade Price 46/- doz.
Retail 6/9 pair.
NYLON Trade Price 59/- doz.
Retail 8/9 pair.

* VERY ATTRACTIVE PACKS * HIGHLY COMPETITIVE PRICES

Order from your wholesaler or direct from:

COSETTE LTD, 21 BEAUCHAMP PLACE, LONDON, S.W.3.



ADOX C18 Film, with its extremely high resolving power, provides exceptionally true-to-life colour reproduction even under the most difficult lighting conditions. It is a medium speed (18° DIN 50 A.S.A. 28° SCHEINER) thin emulsion film with extraordinary definition suitable for normal daylight, electronic flash, and blue flash bulbs.

TRY THE
ADOX Weekend Pack
15 Exposures 17/8 including processing

36 Exposures 32/-
Roll Film C18 120 20/- C18 127 18/10



Sole Distributors in the U.K.
PHOTOGRAPHIC PRODUCTS Ltd.
CAERPHILLY RD., CARDIFF



WATERLOO TEETH

IN the past, those who could afford it made good their dental deficiencies by wearing teeth bought from the poor, or taken from those who no longer had use for them. Battlefields were a rich source for the less scrupulous suppliers, and many a nobleman unwittingly sported the teeth of a late warrior.

Today's acrylic triumphs are infinitely more palatable, and the need for them grows less as we learn more about keeping our teeth, and keeping them healthy. We know, for one thing, that the earlier we start our children in good dental habits—by teaching them the C D E F rule for good teeth—the more promise we give them of healthy teeth both now and in later life.

C **CLEANING** Often and thorough, to remove food particles that can cause decay. After each meal if possible, and always with a brush at bedtime.

D **DENTIST** Regular visits to catch any trouble early.

E **EXERCISE** Lots of chewing—apples, celery, chewing gum, raw vegetables. Helps to clean teeth, promotes flow of saliva (nature's mouthwash) stimulates gums, aids proper jaw development.

F **FOOD** Plenty of milk, butter, cheese and eggs: rich in minerals and vitamins for strong teeth and healthy gums.

PUBLISHED BY THE WRIGLEY COMPANY LIMITED, LONDON

E2/9/62

Lucy says....
**help yourself to
SUPER SALES**



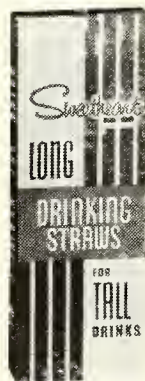
Sweetheart
DRINKING STRAWS

FLEX-STRAW
BEND TO ANY ANGLE

Standard Drinking Straws
—packs of 50 now available
in the new SELF-SERVICE
DISPLAY TRAY.

Self-Service Display Tray holds
handy home packs of 25 Flex-
Straws. A BOON to invalids at
home. Children love them.

Both packs, in colours of red and blue, are designed for quick self-service sales. Your customers can see the straws at a glance in these attractive "window" packs. They occupy MINIMUM SPACE—but make MAXIMUM SALES and MAXIMUM PROFITS.



TRY THE NEW TALL "SWEETHEARTS"—
10½"—for **LONG DRINKS**. Available in Handy
Quarter Gross Cartons.

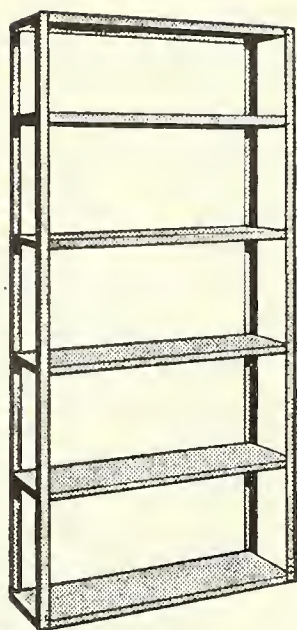
For those who like their "SWEETHEARTS"
shorter . . . there are the 8½" straws in packs
of 100, as well as the 8½" "Mother Goose
Straws" in the colourful "window" pack
(kiddies love 'em).

These are just a few of the SWEETHEART
range, TALL, SHORT, STRAIGHT; also the
FLEX-STRAW—the ONLY straw DESIGNED
TO BEND TO ANY ANGLE. Can be used
safely in hot, as well as cold, beverages.

HYGIENIC DRINKING STRAWS CO. LTD.

College Road, Fishponds, Bristol

Phone: Bristol 653268 & 654205 Grams: Drinkrite, Fishponds, Bristol



Any size made to order

**THE BEST BUY
IN U.K.**

STEEL SHELVING

BRAND NEW HEAVY GAUGE

65%

Free delivery within 14 days. N. Scotland, Ireland, I.O.M. Carriage forward.

71" high x 34" wide, 12" deep with 6 shelves as illustrated.

Height	Width	Depth	No. of Shelves	Price	Price each 3 or more
71"	34"	9"	6	63/-	61/-
71"	34"	12"	6	65/-	63/-
71"	34"	15"	6	85/-	83/-
85"	34"	12"	6	73/-	71/-
85"	42"	12"	6	91/-	89/-

Each shelf will hold over 3 cwt Shelves adjustable every 2" Stove enamelled dark green White enamel units 30/- extra

R

ROCHDALE METAL PRODUCTS

DEPT. C. & D. DEVON ST. WORKS Tel. ROCHDALE 40070/78

MILLOPHYLINE

The new theophylline derivative with an action equivalent to the pure alkaloid in comparable doses, it increases the auricular and ventricular contractions, but, unlike theophylline, it does not increase the heart rate. It increases the rate and depth of respiration to a greater extent than theophylline.

N.H.S. Price: — Tabs. 30's = 5/-d. 100's = 14/-d. 250's = 28/-d. 500's = 50/-d.
Ampoules—Boxes of 6 = 5/8d. each. Boxes of 48 = 42/6d. each.

Samples and Literature on request

DALES PHARMACEUTICALS LTD.

POWER ROAD, LONDON, W.4. and STEETON, Nr. KEIGHLEY, YORKS.

ESTABLISHED 1793

ATKINSON & BARKERS

INFANTS' PRESERVATIVE

The Infants' Medicine
of 150 years' standing

For teething and digestive troubles

ROBERT BARKER & SON LTD
13 ALISTAIR STREET, MANCHESTER, 1

HARDWOOD APPLICATORS

100 boxes and over 3/2 per box, 50 to 99 boxes 3/6 per box, under 50 boxes 4/- per box. Standard pack, 6 gross to a box

IMMEDIATE DELIVERY FROM LONDON STOCKS

TONGUE DEPRESSORS

LOWEST PRICES SINCE THE WAR
Size 6 in. x 1/4 in. x 2 mm. thick, Prime Hardwood perfectly finished
Boxed 100's Minimum order 10,000
Wholesale Houses only supplied

ASHWOOD TIMBER INDUSTRIES LTD.

Specialist in Veneer and Plywood Products for all Trades
IBEX HOUSE • MINORIES • LONDON, E.C.3
Tel.: ROYal 2494 Cables: ASHTIM, LONDON

In the research laboratories of industry, chemists continue the search for new formulæ and new compounds to resolve their manufacturing problems.



tomorrow's products... in today's test tubes

In various fields, and in liaison with industry, the Research Division of The Washington Chemical Company Ltd. is making significant advances in the production of new grades of magnesium chemicals for particular applications.

By drawing on the Company's century of experience, chemists are able to specify special grades of Pattinson's magnesium carbonates and oxides—confident that all deliveries will maintain the same high standards of quality. From the laboratory through to production, Washington chemicals may be depended upon for absolute consistency.

Pattinson's is a registered trade mark
of The Washington Chemical Co. Ltd.

THE WASHINGTON CHEMICAL CO. LTD.

A member of the TURNER & NEWALL GROUP WASHINGTON, COUNTY DURHAM, ENGLAND

Telephone: Washington 3333

Telegrams: Chemical, Washington Station, County Durham

LONDON: Empire House, St. Martin's le Grand, London, E.C.1

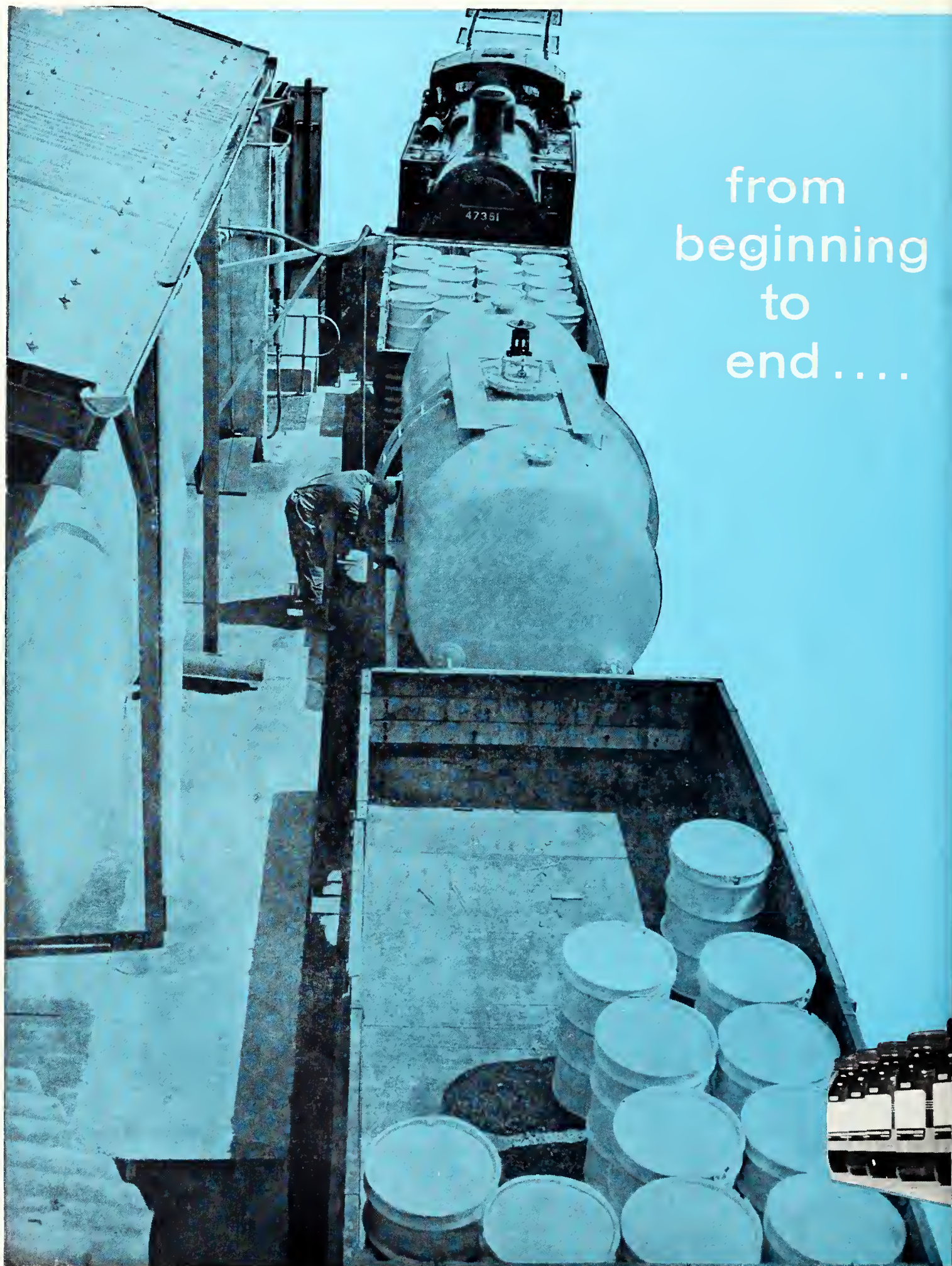
Telephone: MONarch 6898

MANCHESTER: 220/222 Corn Exchange Buildings, Cathedral Street, Manchester, 4.

Telephone: BLAckfrairs 4401

Agents throughout the world

from
beginning
to
end....



PHA1632/120

Before raw materials are used for production purposes they must be sampled and satisfy the rigid standards laid down by the May & Baker Analytical Control Division.

Expert vigilance continues throughout all stages of manufacture until the final product is packed and sealed.

the range includes:

BARBITURATES · BISMUTH SALTS · BROMIDES
CAFFEINE AND PREPARATIONS · CHLOROFORM
CITRATES · COCAINE AND SALTS · ETHER SOLVENT
IODIDES · MERCURIALS · OPIATES
SULPHONAMIDES · THEOBROMINE AND PREPARATIONS
THEOPHYLLINE AND RELATED COMPOUNDS

M&B
B R A N D

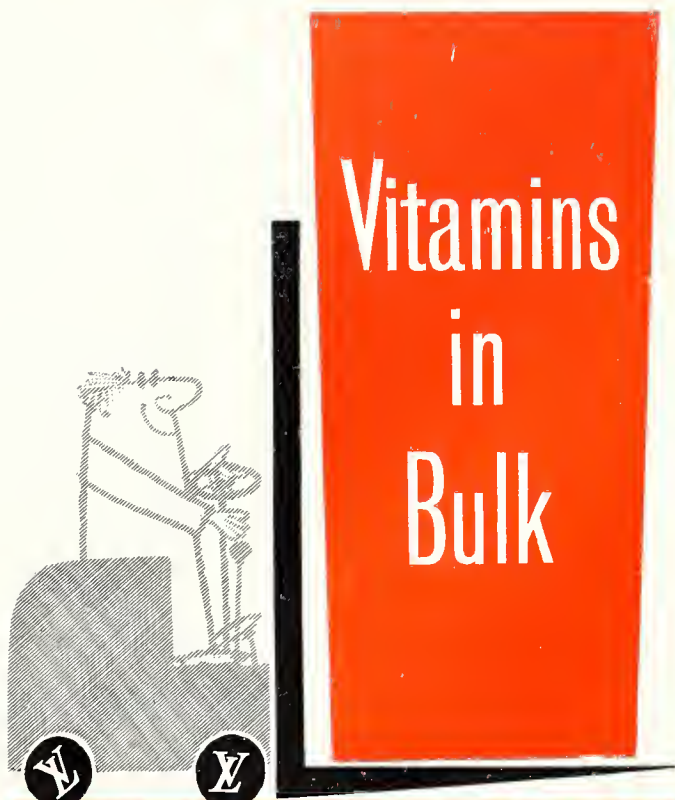
PHARMACEUTICALS

MANUFACTURED BY

MAY & BAKER LTD · DAGENHAM · ESSEX

Tel: DOMinion 3060 · Exts. 317 and 318





Natural & Synthetic Vitamin A
 Vitamin B₁ (Aneurine Hydrochloride B.P.)
 Vitamin B₆ (Pyridoxine Hydrochloride B.P.C./U.S.P.)
 DL. Calcium Pantothenate U.S.P.
 Vitamin C. (Ascorbic Acid B.P.)
 Vitamin D₂ (Calciferol B.P./U.S.P.)
 Vitamin D₂ (Oily Concentrate)
 Natural Vitamin E
 (d-Alpha Tocopheryl Acetate)
 (d-Alpha Tocopheryl Acid Succinate)
 (Mixed Tocopherols)
 Natural Vitamin E. (Feed Grade)
 Folic Acid B.P./U.S.P.
 Inositol
 Nicotinic Acid B.P.
 Nicotinamide B.P.

Get your vitamins from
VITAMINS LIMITED

Bulk Sales Dept. Vitamins Limited (Dept. A.A.7)
 Upper Mall, London, W.6. Telephone: Riverside 5001
 Telegrams: VITAMINS, LONDON, TELEX.



NEW LARGE TUBE

NATURAL, PEACH and IVORY ONLY
 No. 4 SIZE: TRADE 27/- DOZ. RETAIL 4/9 each.



Constantly advertised in Women's Magazines

WELL WORTH DISPLAYING

ORIGINAL DESIGN—ALL SHADES
 IVORY, NATURAL, PEACH, OCHRE,
 SUNGOLD, APRICOT and RACHEL

TUBES No. 2 No. 3
 TRADE 8/3 doz. 13/8 doz.
 RETAIL 1/5 each 2/5 each

JARS
 TRADE 20/- doz. RETAIL 3/6 each



DIXOR LTD. ST. LEONARD'S ROAD
 MORTLAKE, LONDON, S.W.14



The modern weigh is to sell a **MAYFAIR** every day



THE "MAYFAIR" PERSONAL WEIGHER No. 206 is a good looking, efficient, economically priced weighing machine. Available in various attractive colours—white, powder blue, April pink, spring green or pale primrose. It is the ideal machine for regular weighing in the privacy of one's own home. The "Mayfair" is being backed by regular advertising in the national Women's journals and T.V. STOCK and SELL the "Mayfair"—NOW!



SALTER

Geo. Salter & Co. Ltd., West Bromwich

Est. 1760

FOR GLAMOUR WITHOUT GLARE

WhitecrossA range of the latest
continental fashion
sunglasses
for the 1962 season**THE WHITECROSS 'MINSTREL'**

An attractive revolving display stand supplied FREE with an assortment of 8 dozen men's and ladies' black sunglasses retailing from 2/6 to 10/6.

					Price to Public
• Revolving Display Stand	...	...	...	...	FREE
• 12 Pieces 6682 Black	...	...	...	...	2/6 each
• 12 Pieces 3866 Black	...	...	...	...	3/6 each
• 12 Pieces 6680 Black	...	...	...	...	5/- each
• 12 Pieces 6636 Black	...	...	...	...	6/9 each
• 12 Pieces 1836 Black	...	...	...	...	7/6 each
• 12 Pieces 6675 Black	...	...	...	...	7/11 each
• 12 Pieces 7456 Black	...	...	...	...	9/11 each
• 12 Pieces 3056 Black	...	...	...	...	10/6 each

The above glasses are also supplied separately

Ask your usual
wholesaler for
illustrated
catalogue showing
our complete
range retailing
from 2/6.

REG. TRADE MARK

Whitecross Optical Company

(Proprietors, Fredk. Lehmann Co Ltd.)

Frederick Works, Rochester Place, London, N.W.1

Telephone: GULliver 6731

Vegetex

THE VEGETABLE TREATMENT FOR RHEUMATISM

VEGETEX is a concentrated powder prepared by dehydrating selected vegetables in closed circuit at low temperature. Being alkaline, VEGETEX counteracts the over-acidity associated with rheumatic conditions.

YOU CAN RECOMMEND VEGETEX WITH CONFIDENCE*We shall be glad to send you literature on request.***Retail Prices:**

40 tablets 3/11 • 80 tablets 7/5
160 tablets 12/4 500 tablets 31/2

MODERN HEALTH PRODUCTS LTD. Davis Road • Chessington • Surrey

Other Modern Health Products include: BIOBALM • VECON • NATEX • GARLODEX



prescribed for

EFFECTIVE AND LASTING SUPPORT OF VARICOSE VEINS

BURSON
2-WAY STRETCH LASTEX HOSIERY

When your customers ask your advice about tired, aching legs and varicosity, you can depend on BURSON, made to individual measurements.

BURSON Stockings are supplied with the advantage of many years' specialised research into the manufacture of surgical stockings, and after many years of continuous clinical observation behind them. BURSON Stockings are woven on patented knitting machines resulting in a very special quality exclusive to BURSON.

BURSON Stockings are fully fashioned and virtually indiscernible in use making them the final choice of those who appreciate the very best.

BURSON Stockings are advertised in the Medical Journals and in a strong list of National Weekly Newspapers and Women's Magazines.

available FREE on request:—

- * Instruction chart with details for measuring, fitting and exact measurements to fit and tensions.
- * Individual measurements and order forms.
- * Instructions for mending and washing.
- * Illustrated leaflets for your customers.

BURSON

Two-way stretch hosiery is made from genuine lastex yarn—nylon as well as cotton.

PRESCRIBABLE UNDER THE N.H.S.

Sole Distributors :

FASSETT & JOHNSON LIMITED

86, Clerkenwell Road,

London, E.C.1.

Also at:

6, Crow Street, Dublin.

for a "handsome" profit...

Andyettes—an entirely new household glove with terrific feminine appeal. Made in finest jersey fabric with special plastic moisture-resistant finish. Attractively finished with red rose motif. Andyettes will outlast the ordinary household glove and wash well. Each pair sealed in polythene bag and ticketed.



Trade price. 70/- doz pairs.

Purchase tax 3/5 plus P. Tax surcharge 4d.

Andyettes

Retails at
8/11 per pair

TEDSON, THORNLEY & CO. LTD., (CD) ROCHDALE LANCs.



A source of health!

RUMANIAN MEDICINAL PLANTS



- Rich alkaloid content
- High therapeutic and curative value.

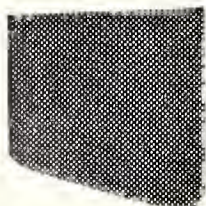
Over 120 species of medicinal plants.

Sole exporter in Rumania:

AGRO EXPORT

12, Doamnei St.
Bucharest — Rumania

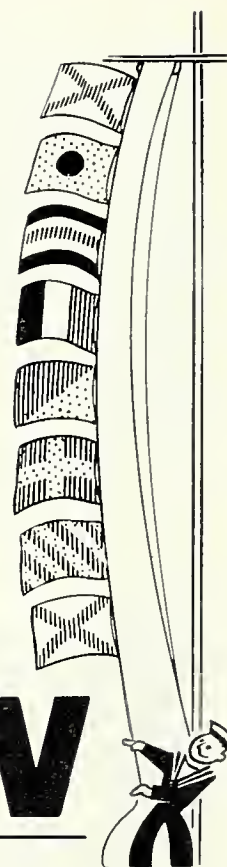
Telephone: 13.92.94; Telex: 229
Cables: AGROEXPORT - Bucharest



IT'S A TWELVE MONTH SEASON for

Victory V

LOZENGES & GUMS



BE PREPARED —

Order supplies from your wholesaler, or write direct to us for samples and terms

FRYER & CO. VICTORY FACTORIES · NELSON · LANCASHIRE

6 ft. DISPLAY COUNTER



£27. 10. 0.

or £6. 10. 0 down and 12
monthly payments of £2.

Make the most of your displays with this handsome counter. Sliding glass doors and adjustable shelf. Light oak finish.

Dimensions: 72" long, 36" high (including 6" legs), 24" deep.

Delivered free by our own van to all areas

Send for Illustrated Brochure

THIRSK

EQUIPMENT COMPANY LIMITED. Dept. C.D., 741-743 Garratt Lane, London, S.W.17. Tel: WIMbledon 2291 (4 lines)



ferraniacolor



throughout Europe
to-day
for 8 and 16mm movie films
the bright, live, sharp
FERRANIColor
unsurpassed quality

qualified laboratories
for quick processing
of **FERRANIColor** films
throughout Europe

DAYLIGHT REVERSAL FILM 25 ASA.
ARTIFICIAL LIGHT REVERSAL 40 ASA

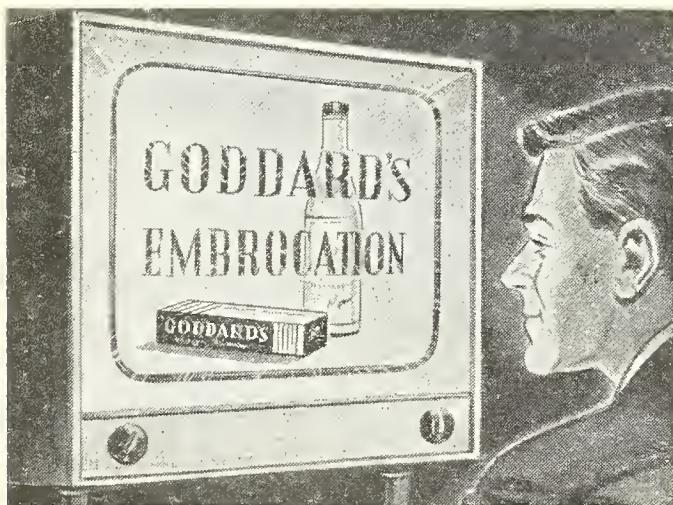
Sole U.K. distributors: NEVILLE BROWN & CO. LTD., 93/97 NEW CAVENDISH STREET, LONDON, W.1.



*Specialists
in High-Class
Label Reproduction
for Chemists*

SUTTLEY & SILVERLOCK

ANDOVER, HANTS
TEL. 2234



17 MILLION CUSTOMERS

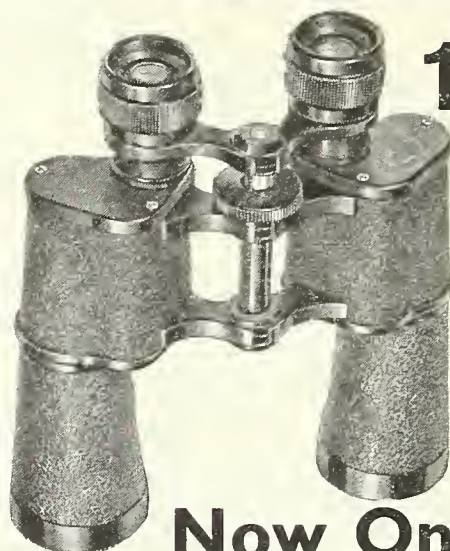
for Goddard's Embrocation. 17 million viewers in London, in the South of England and throughout the Midlands know that Goddard's Embrocation will give soothing relief from rheumatism, bruises, sprains, strains, stiff-joints, lumbago and sciatica, and when the chilly weather starts your customers will be asking for it. Display material available.



GODDARD'S EMBROCATION

Order now from your Wholesaler or from: J. G. Goddard & Co. Ltd.
100 Moncrieff Street, Peckham, London, S.E.15

FRUSTRATED EXPORT BINOCULARS



16 x 43

"PEERLESS"

**VERY
POWERFUL**

WERE
£18
RETAIL

Now Only £15

SOLID HIDE CASE 33/8

Also: 1962 catalogue now available featuring inexpensive German and French binoculars, and Empire; Ross & Wray binoculars, telescopes, microscopes, reading glasses etc. . . .

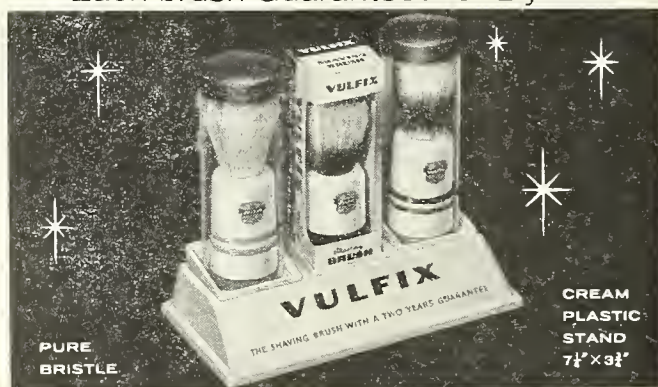
Enquiries to:

J.J. VICKERS & SONS LTD
(DEPT C.D.) 80, ROYAL HILL, LONDON, S.E.10 (TIDeway 3888)

A **NEW** DISPLAY for

VULFIX SHAVING BRUSHES

Each brush Guaranteed for 2 years



FREE with PARCEL No. 910 containing...

4 pcs. No. 20 PURE BRISTLE BRUSH
Each in window carton RETAIL PRICE **4/11** EACH
4 pcs. No. 21 PURE BRISTLE BRUSH
Each in acetate tube RETAIL PRICE **6/9** EACH
4 pcs. No. 22 PURE BRISTLE BRUSH
Each in acetate tube RETAIL PRICE **8/6** EACH
W.S.P. **45/-** Plus P.T. RETURNS **80/8**

PROGRESS SHAVING BRUSH (VULFIX) LIMITED
MOTTRAM STREET, STOCKPORT, CHESHIRE. Tel. STO 2147
London Office: 143 New Bond St. London W.1 Tel. HYDe Park 3886-7

GROSSMITH**Announce New Retail Prices from
10th April, 1962****GROSSMITH PERFUMERY**

CAT. NO.	White Fire	RETAIL PRICE
600	Perfume	4/9
601	Perfume	9/3
602	Perfume	21/-
603	Bouquet	5/-
604	Complexion Soap ..	5/6
605	Bath Cubes (6) ..	4/-
606	Bath Dusting Powder	8/3
608	Talc	5/-
609	Bath Salts	5/6
610	Bubble Bath Oil ..	5/7
612	Hand Lotion	4/9
613	Bouquet	7/3
615	Perfumed Cologne Stick	5/6
Old Cottage Lavender		
73/0	Lavender Perfume ..	2/3
73/1	Lavender Perfume ..	4/-
73/2	Lavender Perfume ..	5/6
73/3	Lavender Perfume ..	7/-
70B	Toilet Soap (3) ..	5/6
71S	Compressed Blossoms	1/2
73E	Bath Dusting Powder	8/3
73F	Talc (tin)	3/9
79	Smelling Salts	3/-
90	Bath Cubes	4/-
91	Perfumed Cologne Stick	3/9
Spicy Lavender		
20	After Shave	5/3
21	Electric Pre-Shave ..	6/3
22	Talc	4/6
Lily of the Valley		
804	Toilet Soap (3) ..	5/6
805	Bath Cubes (6) ..	4/-
807	Talc	3/9

HARTNELL PERFUMERY

CAT. NO.	In Love	RETAIL PRICE
HL1	Handbag Phial ..	7/-
HL15	Purse Bottle ..	12/-
HL5	$\frac{1}{4}$ oz. Bottle ..	21/-
HL2	$\frac{1}{2}$ oz. Bottle ..	41/-
HL3	1 oz. Bottle ..	65/-
HL4 $\frac{1}{2}$	Presntn. Bottle ..	81/3
HL7	Bath Dusting Powder	13/6
HL9	Talc	7/-
HL10	Eau de Toilette ..	10/6
HL13	Spray Mist (Aerosol)	18/-
HL14	Spray Set (Aerosol) ..	12/6
HL16	Bubble Bath Oil ..	10/6
HL17	Bath Cubes (6) ..	5/-
HL26	Bath Salts	10/9
HL33	Hand Lotion	6/-
HL8	Toilet Soap (3) ..	8/3
HL8C	Bath Soap	5/-
HL8V	Guest Soap (6) ..	7/9

Beauty Preparations

H100	Foundation Base ..	6/4
H101	Moisture Lotion ..	6/10
H102	Cleansing Milk ..	7/3
H103	Skin Freshener ..	7/3
H104	Cleansing Cream ..	7/9
H105	Night Cream ..	8/3
H106	Face Powder ..	7/3
H107	Powder Compact ..	12/3
H108	Powder Refill ..	6/4
H109	Lipstick	7/3
H110	Lipstick Refill ..	5/-
H111	Eye Shadow ..	5/6
H112	Eyebrow Pencil ..	3/9
H113	Rouge Cream ..	3/6

GROSSMITH · 41/46 Piccadilly · London

BUDGET CHANGES

in force now

DOAN'S SPECIALITIES			DR. WILLIAMS PRODUCTS		
	New Purchase Tax (per doz.)	New Retail Selling Price (Each)		New Purchase Tax (per doz.)	New Retail Selling Price (Each)
Doan's Backache Pills			Dr. Williams Pink Pills		
Large Size	12/9	6/6	Large Size	Exempt	4/-
Medium Size	7/11	4/-	Small "	"	1/9
Small Size	3/7	1/10			
Bilax (Laxative Pills)			Handjoy	6/2	2/3
Large Size	7/11	4/-	Pinkettes	3/1	1/8
Small "	3/7	1/10	Snug Denture Cushions	Exempt	6/9
Doan's Ointment			Bablets		
Large Size	6/7	3/4	Standard Size	3/1	1/8
Small "	3/7	1/10	Trial Size	1/- per box	4d.
Mentex (Embrocation & Inhalant)	3/7	1/10			

**FOSTER-McGLELLAN
PRODUCTS LTD.**

**G. T. FULFORD CO. LTD.
(OF CANADA)**

Cornwall Road, Hatch End, Middlesex

Telephone: HATch End 1055 and 4050

TAN WITH A CAPSULE

VITASUN

**A VITAMIN PREPARATION FOR
NATURAL SUNTAN WITHOUT PAIN OF SUNBURN**

Vitasun is the easy modern internal way of getting a becoming suntan - plus all the health benefits of sunshine - without pain or danger. Ideal for holidays, sports events, and every occasion under the sun. Perfect as a preventative or for use after burning. Safe for grown-ups and children - contains no drugs.

Vitasun Capsules were used extensively by competitors at the 1960 Olympic Games. Vitasun will be backed by exciting advertisements in the Sporting and Outdoor Press during the Summer.

Manufactured by :

Burgoyne Burbidges & Co. Ltd., 274 Ilderton Road, London, S.E.15.



5/6
a box
Retail

The
CHEMIST AND DRUGGIST
CLASSIFIED ADVERTISEMENTS

Telephone: CENTral 6563

Address Box Number Replies to: **THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2**

APPOINTMENTS — 24/- per 1/2" s.c. minimum and pro rata. **AGENTS** — **AUCTION SALES** — **BUSINESSES FOR SALE AND WANTED** — **CLEARANCES AND WANTS** — **CONTRACTS** — **MISCELLANEOUS** — **PATENTS** — **PARTNERSHIPS** — **PREMISES** — **PUBLIC AND LEGAL NOTICES** — **SITUATIONS VACANT**. Run-on — 4/- per line (minimum 20/-). Semi-display — 24/- per 1/2" s.c. minimum. Displayed with border rule, larger type faces and blocks — 60/- per s.c.i. minimum. Reduced rates for one-third, one-half and full pages on application. **SITUATIONS WANTED** — 6/- per 18 words minimum, then 4d. per word. Use of Box No. — 2/-. Advertisements received by 4 p.m. Tuesday published same week.

APPOINTMENTS

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

for holiday relief duty in the hospitals of the group.

23rd July—18th August

10th September—22nd September.

Salary 18 guineas a week. Apply to Chief Pharmacist, St. Leonard's Hospital, Nuttall Street, London, N.1. C 589

BROOKWOOD HOSPITAL, KNAPHILL, WOKING

Assistant-in-Dispensing

Applications are invited for the post of Assistant-in-Dispensing. The successful candidate will be required to work under the supervision of the Chief Pharmacist. Residential accommodation (female) available. Excellent staff social club.

Applications giving particulars of age, experience and qualifications, together with the names of two referees to the Physician Superintendent as soon as possible. C 591

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist

for Bethnal Green Hospital. Modern department. Salary scale £770—£1,010 p.a., plus higher qualification allowance and London Weighting. Please apply to the Group Secretary, 213 Kingsland Road, London, E.2. C 553

CLARE HALL HOSPITAL, SOUTH MIMMS, BARNET, HERTS (334 beds for Diseases of the Chest)

Pharmacist

required. Whitley Council salary plus London Weighting. The hospital is in country surroundings. Direct coach service reaches Marble Arch in just under an hour. Local bus service to hospital gates. Temporary accommodation available in Hospital if necessary. Applications with names of two referees to Medical Director. C 594

HAREFIELD HOSPITAL, HAREFIELD, MIDDLESEX

Senior Pharmacist

required at the above hospital of 608 beds. Applications stating age, qualifications and previous experience, together with copies of two references to the Hospital Secretary. C 7339

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL SURGICAL UNIT, LISCARD ROAD, WALLASEY

Locum Pharmacist

for two weeks commencing 18th June and ONE week commencing 10th September. Applications to Administrative Officer. C 7334

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1 (Category II Hospital)

Pharmacist

required at the above hospital from July 9, 1962. Modern new department offering good general experience. Every third Saturday morning off. Salary scale and conditions of service in accordance with Whitley Council agreement. Applications in writing stating age, qualifications and previous experience, together with the names of two referees, to the Chief Pharmacist. C 7327

LEYBOURNE GRANGE GROUP HOSPITAL MANAGEMENT COMMITTEE, LEYBOURNE GRANGE HOSPITAL, WEST MALLING, KENT

Chief Pharmacist

Applications are invited from Registered Pharmacists for the above post in this Hospital for the Mentally Subnormal of about 1,500 beds (male and female). Salary and conditions of service as agreed by the appropriate Whitley Councils for the Health Service, namely, £895 x £35 (3) x £40 (5)—£1,200 a year. Self-contained residential accommodation available for rental for a single female applicant.

Applications giving qualifications, present and previous appointments and names and addresses of two referees to the Group Secretary by not later than April 30, 1962. C 4505

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Locum Pharmacist

required for eight weeks from July 9, 1962. Salary 18 guineas per week. Modern new department. Applications to the Chief Pharmacist. (Tel.: STE. 4251.) C 7325

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL SURGICAL UNIT, LISCARD ROAD, WALLASEY

Pharmacist or Assistant-in-Dispensing

Applications are invited for the appointment of Pharmacist or Assistant-in-Dispensing holding the certificate of the Apothecaries' Hall. Salary: Pharmacist £690 to £920 with higher point of entry into the basic grade according to professional experience.

Salary: Assistant-in-Dispensing £250 at 18 years of age rising by annual increments to a maximum of £575 p.a., plus £50 if in possession of recognised qualifications. Applications giving details of age, experience, etc., to the Administrative Officer. C 7333

NEASDEN HOSPITAL, BRENTFIELD ROAD, N.W.10

Pharmacist

full-time or part-time, required for modern department. *Whole-time:* experience since qualification counted for salary purposes; or *Part-time:* £1 18s. 6d. per four-hour session. Varied programme of duties. No out-patients. Applications to Physician Superintendent. C 7328

MOORFIELDS EYE HOSPITAL Assistant-in-Dispensing

required (Apothecaries' Hall Certificate) for duty at High Holborn Branch, London, W.C.1. Salary in accordance with Whitley Council scale. Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 7340

ROYAL GWENT HOSPITAL, NEWPORT, MON (247 Beds)

Pharmacist

required. The Department has a staff of three Pharmacists and four dispensers. Opportunity for first-class experience. Salary £690 x £30 (3) x £35 (4)—£920. Write quoting two referees to Group Secretary, 64 Cardiff Road, Newport, Mon. C 7335

STOCKPORT AND BUXTON HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

required at Stockport Infirmary, a general hospital of 165 beds and busy casualty and out-patient departments. Applications with full particulars and the names of two referees, to be made to the undersigned.

59b Shaw Heath,
Stockport.

E. J. DURRANT,
Group Secretary,
C 4494

ST. ALBANS CITY HOSPITAL (403 beds), ST. ALBANS, HERTS

Assistant-in-Dispensing

preferably with hospital experience, required. Part-time appointment considered. Whitley Council salary and conditions. Applications stating age, experience and naming one referee to the Hospital Secretary. C 595

THREE COUNTIES HOSPITAL, ARLESEY, BEDFORDSHIRE

Assistant-in-Dispensing

Applications are invited for Assistant-in-Dispensing. Salary and conditions as Whitley Council scale, £425 at age 22 or over, rising to £575 per annum. Accommodation available for single man or woman applicant. Applications, stating age and experience, together with the names and addresses of two referees, should be sent to The Medical Superintendent. C 576

THE LONDON HOSPITAL, WHITECHAPEL, E.1

Locum Pharmacist

required immediately. Salary £18 18s. per week. Applications to House Governor. C 590

WINWICK AND NEWCHURCH HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist-in-Charge

required at Winwick Hospital, near Warrington, for holiday relief duty for period 30th July—11th August, 1962

Salary £23 12s. 6d. per week. Applications to Secretary (Ref. CD/306), Winwick Hospital, Warrington. C 7338

APPOINTMENTS OVERSEAS

VICTORIAN COLLEGE OF PHARMACY, MELBOURNE

POSITION OF DEAN

The Victorian College of Pharmacy invites applications for the position of DEAN of the College, which is situated at Parkville, Melbourne, Victoria.

The College, established in 1880, is the most modern pharmaceutical teaching institution in the Southern Hemisphere and accommodates 600 students taking the three-year full-time course introduced in 1960.

It is ideally located close to the University of Melbourne, the Royal Melbourne Hospital, the Dental Hospital and numerous residential colleges.

Qualifications: Applicants should possess a degree in Pharmacy and preferably an additional degree in Science. They should have experience in teaching and the organisation of teaching and administration.

Salary: Salary will be according to qualifications and experience and within the range of £4,000—£4,500 (Aust.) per annum.

Superannuation: The benefits of the Staff Superannuation Scheme are open to members of the College teaching staff.

Accommodation: If the appointee is an overseas applicant the College Council will assist, if necessary, in finding a suitable residence and will provide reasonable assistance towards meeting travel expenses.

Commencing Date: The College year opens in the first week in March. It is desired that the successful applicant should take up duties on September 1st, 1962.

Applications giving details of qualifications and experience should be addressed to:

The Secretary,
Victorian College of Pharmacy,
381 Royal Parade,
Parkville,
Melbourne,
Victoria, Australia

APPLICATIONS CLOSE MAY 15, 1962

C 4510

SOUTH AUSTRALIA HOSPITALS DEPARTMENT

Pharmacists are required for appointment to the Queen Elizabeth Hospital and Royal Adelaide Hospital in the salary range:

Female: £A1,183/£A1,433 per annum.
Male: £A1,371/£A1,621 per annum.

Qualifications: Applicants must be registered, or be capable of being registered as Pharmaceutical Chemists in South Australia.

First-class fares to South Australia will be paid.

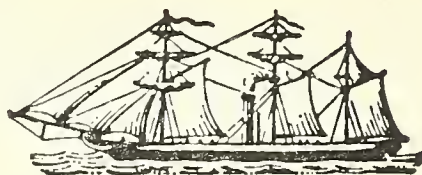
Superannuation scheme is available. Assistance will be given with housing. Leave conditions include recreation, sick and long-service leave.

Further information can be obtained from the address below.

Applications stating full names, address, date of birth, marital status, academic qualifications, practical experience, War Service and names of referees should be forwarded to:—

The Agent General & Trade
Commissioner for South Australia,
South Australia House,
50 Strand,
London, W.C.2.

C 4496



OVERSEAS APPOINTMENTS

Applications are invited from Pharmacists between the ages of 20 and 35, who are keen to make for themselves an overseas career in commerce with a leading marketing organisation in a number of African (not South) territories. Duties, which involve some travelling within a specific territory, include sales promotion and administration. Contracts vary from 18 to 24 months, depending on territory, followed by generous home leave on full pay. These positions carry with them a non-contributory Pension Scheme and offer excellent prospects for promotion in an expanding organisation with opportunities in the East.

Details of qualifications, including positions held, should be addressed to:—

THE SECRETARY,
J. L. MORISON, SON & JONES, LTD.,
SIX ALBEMARLE STREET, LONDON, W.1.

C7321

NICHOLAS PRODUCTS LIMITED

Invite applications from Graduate Chemists and Pharmacists for the position of:

PROCESSING MANAGER

The successful applicant will be about 30 years of age and have responsibility for processing plant for toiletries, pharmaceutical and household products. He must therefore have experience in each of the above fields. A high level of technical competence is called for, coupled with the ability to control approximately 30 staff. He will deputise for the Production Manager. Salary up to £1,500.

The Company is one of the Aspro-Nicholas Group of Companies which offers an excellent non-contributory Pension Scheme and a free Sick Benefit Scheme.

Please apply in writing, stating age, qualifications and experience to the:

Personnel Manager (N/C/11), Nicholas Products Limited,
225 Bath Road, Slough, Bucks.

C 7316

BUSINESSES FOR DISPOSAL

CHEMIST'S SHOP, fully fitted, together with fully fitted Dental Surgery and excellent self-contained 2 bedroomed flat above. Ideal position adjoining Doctor's Surgery. Good class area, pleasant S.E. Essex town. Price Freehold £4,750, All At. Apply Selright Agency, 50 London Road, Southend-on-Sea, Phone 45254. C 4507

SITUATIONS VACANT

RETAIL (HOME)

CHEMIST COUNTER ASSISTANTS: Ladies required for North London. Good salary given for experienced persons. Apply: Managing Director, Kendale Chemists, 51 Exmouth Market, London, E.C.1. C 4503

PHARMACIST required for established retail chemist. Good staff, normal hours, no rota. Lady preferred; though not essential. Telephone: FREemantle 1465. C 4506

PHARMACIST. Required for established retail chemist's branch shop, Hampshire, £1,000 and free modern 3-bedroom flat and garage. Three weeks' holiday. Good staff. Normal hours 9 a.m. — 6 p.m. No rota. Pension scheme if required. Box C 4480.

PHARMACIST WANTED for Plaistow area. Five-roomed flat and garage available. Phone: "Potters." Tel. Grangewood 2779. C 4497

SUPERINTENDENT PHARMACIST wanted, male or female. No rota or holiday duty. For appointment write or phone Leslie Martyn, Ltd., 34 Dalston Lane, London, E.8. Tel.: Clissold 0946. C 4513

UNQUALIFIED. Competent assistant required for a Hampstead pharmacy, must be efficient dispenser. Commencing wage £18 per week. Please write: Chemist, 45 Prattisdon Road, London, N.W.2. C 4495

Situations Vacant—Continued**WHOLESALE**

CHEMIST, aged 30 to 40, required to take charge of and build up a Hair Cosmetics Division for long-established West Country Company. Must be well experienced, with good production background. Pension and Life Insurance Scheme, help with housing. Apply in strict confidence, stating age, full details of experience and salary required to Box C 7330.

CHEMIST/WORKS MANAGER

required by Southon Laboratories, Ltd., for manufacturing and control, production and packing of pharmaceutical specialities, etc. Progressive post for energetic and ambitious young man with the right qualifications and outlook. Commencing salary between £1,000 and £1,200. Five-day week. Pension scheme. Apply in writing in first instance, giving full details of past experience, age, etc., to:

The Managing Director,
Southon Laboratories, Ltd.,
Western House,
Gravel Hill,
Bexleyheath, Kent.

C 4500

DUBUIS & ROWSELL, LTD., of Croydon, have a vacancy in their perfumery raw-materials compounding department for an experienced compounder who should have proven capabilities in this or similar type of work. Salary commensurate to experience. Five-day week. Excellent working conditions in modern premises. Applications, which will be treated in confidence, should give full details including age, present position held, general résumé of past experience and should be addressed to the Managing Director, Dubuis & Rowsell, Ltd., Elmwood Road, Croydon. C 4504

PROCESS WORKER, experienced in manufacture of pharmaceutical ointments and lotions required. Good salary and prospects. Apply: Biorex Laboratories, Ltd., 47 Exmouth Market, London, E.C.1. C 4470

UNQUALIFIEDS REQUIRED for an interesting position in a market research company. Five-day week, salary up to £624 p.a., plus luncheon vouchers. Phone LAngham 7081, Ext. 21, or write to Box C 7303.

SITUATIONS WANTED**RETAIL (HOME)**

TOP-CLASS REPRESENTATIVE, 12 years' connection chemists and high-class department stores seeks fresh appointment. Area: South Wales, Herefordshire, Gloucestershire, Worcestershire, Shropshire. Resident, Newport. Mon. Box C 4514.

AGENCIES

IRISH REPUBLIC. Reputable firm of selling and distributing agents, 25 years established, are seeking additional top grade agencies. 1,200 chemist accounts open and already handling many famous products. Manufacturing facilities and non-chemist connection available if required. Box C 4484.

AGENTS

AGENT FOR SCOTLAND required by leading importer/wholesaler of sunglasses, compacts, perfume sprays and fancy goods. Applications with full details to Box C 4512.

SUNDERLAND EDUCATION AUTHORITY SUNDERLAND TECHNICAL COLLEGE PHARMACY DEPARTMENT

Applications are invited from suitably qualified persons for the following posts in the Pharmacy Department:—

LECTURER IN PHARMACOGNOSY**LECTURER IN PHARMACEUTICS (2)****ASSISTANT GRADE B IN PHARMACOLOGY**

The successful candidates will be required to teach to the standard of the Final Bachelor of Pharmacy Examination. All members of staff are encouraged to undertake research for which excellent facilities are available.

Salaries: **Lecturers**—£1,600 x £40 to £1,800.

Assistant Grade B—£770 — £1,350 (with appropriate additions for qualifications and training).

Removal expenses, a temporary lodging allowance and a generous mortgage advance for home purchase will be granted in appropriate cases.

Further particulars and forms of application from the Registrar, The Technical College, Sunderland, Co. Durham, and applications should reach the undersigned within fourteen days.

Canvassing disqualifies.

W. THOMPSON,
Director of Education

**Education Offices,
15 John Street,
Sunderland,
Co. Durham**

C 4501

REQUIRED, AGENT, for exclusive and extensive highly attractive novelty packed perfume range. 10% commission. Must be well established with chemist and store trade. All areas except Scotland and North Ireland. Unique opportunity. Kinki-Bee Characters, Ltd., 37 Old Bond Street, London, W.1. C 4498

REQUIRED immediately for cash—highest prices given—surplus photographic stock, cameras, out-dated films, paper, etc. No amount too large or small. Cash by return, postage refunded. Reginald Loftus, Portsmouth Junction, Southampton. Telephone 54757. C 521

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

BUSINESS OPPORTUNITIES

A BARGAIN. As B.B.C. television "Tonight" programme (January 4), Alan Whicker's interview with our director, Mr. T. A. Herbert, L.L.B., on our unique services. New ready-made limited companies for sale to suit £1,001 businesses. Guaranteed no trading. £25 including statutory books, memorandum and articles and company seal. Also rapid company registration service. See "Advantages of Trading as a Limited Company," 3/- post free. Business Economy Group of Companies (Dept. x/10), 156 Strand, London, W.C.2 (Tel.: TEM. 8377/2294); 19 Walker Street, Edinburgh, 3 (Tel.: CAL. 1167/8/9). Only firm with both English and Scottish ready-made companies. C 583

LADY PHARMACIST with capital. Unusual opportunity for lady with charm to step into a new life helping with retail development on South Coast. Congenial position and good accommodation self-contained, friendly and progressive directors interested in profits and yachting. Principals only, giving age, experience and domestic responsibilities. Box C 4508.

WANTED

TABLET STRIP-PACKING MACHINE. Must be in perfect condition. Details of make, age, sizes, spares, etc., and price asked. Box C 7337.

TENDERS

Tenders are invited for the supply of

SURGICAL DRESSINGS

to a number of Hospital Management Committees in the Leeds Region for a period of twelve months commencing July 1, 1962.

Forms of Tender may be obtained from the Supplies Officer, Leeds (A) Group Hospital Management Committee, St. James's Hospital, Leeds, 9. Closing date for the submission of tenders is Monday, April 30, 1962.

J. FOLKARD,
Secretary to the Leeds (A) Group
H.M.C.

St. James's Hospital,
Beckett Street,
Leeds, 9.

C 7332

PATENTS

THE OWNERS OF PATENT NO. 804492, which concerns "AMINOPYRINE, CAFFEINE OR QUININE HYDROCHLORIDE INCLUSION COMPOUNDS" are desirous of arranging by way of Licence or otherwise, on reasonable terms for the commercial development in Great Britain of this invention. For particulars address Elkington & Fife, 329 High Holborn, London, W.C.1. C 4502

MACHINERY FOR SALE

MANESTY C.P.2. 30 in. copper coating pan. New 100-gallon stainless steel storage tanks, delivery ex-stock. Apply: C. Skerman & Sons Ltd., 10 Parson's Green, London, S.W.6. RENown 6402. C 7279

FINANCE

ANCHOR INVESTMENT
(PERSONAL LOANS
FINANCE) LTD.

LOANS
£100 to £1,000

ARKWRIGHT HOUSE,
MANCHESTER, 3

C 7262

STOCKROOMS

MANUFACTURERS
WHOLESALE AGENTS

New Modern Stockrooms

IN GLASGOW

Write for brochure

RENFREW STOCKROOMS,
20 Renfrew Street, Glasgow.

C 4499

MISCELLANEOUS

ABERDEEN, Bradford, Birmingham, Manchester, Newcastle, Nottingham, Cardiff, Swansea, Plymouth, Glasgow, Liverpool, London, Lancaster, Leeds, Edinburgh, Dundee, Haddington. You can now select your carpets personally in any of these areas and save 15-20% (cash). Also available, furs less 20%, refrigerators 15%, washing machines 15%, power tools 10%, furniture 12½%. All manufacturers' guarantees apply. After sales service. (Enquiries for cars, new and second-hand, cash or H.P. invited. Scottish area only.) Suppliers to all leading staff associations. Write: Cohar Distributors, 47 Oswald Street, Glasgow, C.1, or phone Glasgow Cen. 8325, Birmingham Midland 8333, London Chancery 2345. C 4335

"COHAR FOR CARPETS" OFFER 20% discount, all leading makes. Can be seen at showrooms:—Aberdeen, Bradford, Birmingham, Manchester, Newcastle, Nottingham, Cardiff, Swansea, Plymouth, Glasgow, Liverpool, London, Lancaster, Leeds, Edinburgh, Dundee, Haddington, Brighton, Bournemouth, Refrigerators and washing machines 15%, furniture 12½%, furs 20%, power tools 10%. Write: Cohar Distributors, 47 Oswald Street, Glasgow, C.1, or phone: Glasgow CENTRAL 8325, Birmingham Midland 8333, London Chancery 2345. C 7255

..... about a
career with**Riker**

Continuing our programme of expansion we now have vacancies for Medical Representatives in the following areas:

South Yorkshire
Lancashire/Cheshire
Birmingham
London
Co. Durham

An interesting and rewarding career awaits anyone between the ages of 23 and 50 who is a pharmacist or who has a good technical background through having studied pharmacy, medicine or one of the allied professions.

This Company, by constant research and development, produces new or improved pharmaceutical specialities which can assist the medical profession in the treatment and diagnosis of disease. Medical Representatives will be expected to introduce these products and provide an information service on them to doctors both in general practice and in hospitals.

We need men and women of the right personality, with a good educational and social background in addition to the specialised scientific training already mentioned. If you have these qualifications and also initiative and ambition; if you can talk fluently and think positively, then you are the type of person we seek.

We provide a car, pay expenses, operate a superannuation scheme and offer a good salary commensurate with age, experience and qualifications. Basic salary is supplemented annually by a profit sharing bonus scheme and in general our terms of employment are amongst the best in the Industry.

Previous experience is not essential because an intensive course of training is given to suitable applicants before they take over territories.

Write in the first instance giving full details of previous experience, etc., to:—

The Personnel Director,
RIKER LABORATORIES,
Morley Street, Loughborough, Leics.

C 7331

PICKLES FOOT OINTMENT for hard skin and corns, 1s. and 2s. 6d. per tin. Pickles "S.C.R." for removing Cradlecap, 2s. 6d. per jar. Effective and sound selling preparations. Attractively packed. Please write, J. Pickles & Sons, 57 Cold Bath Road, Harrogate, Yorks. C 4388

PLASTIC BABY PANTS,

8/9 per Doz, Large Size.

Rose Scented and Lanolin

Impregnated, Elastic or Taped Legs.

In Counter Display Boxes
or Cellophane Bags

Price List and Sample on Request

Special Quotations for Quantities.

A. & H. Heyman,
27 Grange Road, Darlington.
Tel. 3186 C 4413

FASCIA SIGNS and box signs supplied for cash or rental. Modern neon, Brewery Road, N.7. Phone: Ext. 3, NORTH 6688. C 4375

GORDONIA PROPHYLACTICS

Wallets of 3, packed in attractive display outers.

30s. per gross.

Send 30/- for Trial Gross on Sale
or Return Terms.

Money Refunded if not Sold.
GORDON, TEITZ & ARISTO, LTD.,
222/224 Harrow Road, London, W.2
Tel.: CUNningham 1172 C 568

SURAMA
MEDICATED CIGARETTES

An increasingly popular brand.

Generous trade terms:

10's (retail price 1/2) 8/- doz. packs
20's (retail price 2/2) 15/- doz. packs
50's (retail price 5/5) 36/8 doz. packs

(Plus Purchase Tax)

3 dozen lots—13 to dozen

Order from:

VINES BIOCRIN LTD.,
222/224 HARROW ROAD,
LONDON, W.2
Tel.: CUNningham 1172/3
or from your wholesaler

C 564

Technical Book for the
Pharmacist's Library...CHEMIST'S DICTIONARY OF
SYNONYMS

(Incorporating "Rouses Synonyms for the use of chemists, their assistants and apprentices.") Contains the best features and most essential information of its predecessors. An extremely useful handbook in solving queries that arise at inconvenient moments. Price 8s. 6d. Postage 7d.

THE CHEMIST AND DRUGGIST

28 ESSEX ST., STRAND, LONDON,
W.C.9. Tel.: CENTRAL 6565



THE NEW PRODUCT ON YOUR SHELF THAT WENT OUT INTO THE SUN

Away from your shelves and out into the Sun! That will be the story with new Sombrero Sun Tan Spray. Sun lovers will see Sombrero advertising throughout the summer months. And they'll flock in for this quick to apply, clean, new aerosol! Special bonus terms until April 30th. These include Sombrero Tube, Sombrero Spray. Ask your representative for details.

PRODUCT	RETAIL	TRADE	BONUS
NEW AEROSOL	7/- EACH	41/3 PER DOZEN	37/10 PER DOZEN
TUBE	2/9 EACH	16/3 PER DOZEN	14/11 PER DOZEN
SPRAY	4/3 EACH	28/10 PER DOZEN	26/5 PER DOZEN

REMEMBER-BONUS TERMS

Fine Chemicals

Alpha-acetaminoacrylic acid.
 DL-cysteine-hydrochloride. DL-cystine
 N,N-diethylacetamide.
 N,N-dimethylacetamide.
 Iodoacetic sodium.
 3-methyl-l-pentine-3-ol.
 DL-ornithine-hydrochloride.

Picrolonic Acid.
 Pimelic acid.
 DL-proline.
 Tetraphenylarsoniumchloride.
 Thimerosal (N.F).
 Thioacetic acid.
 Thiosalicylic acid.



Alkaloids and Salts

Digitoxin.
 Ephedrine.
 Ergotamine.
 Quinine.
 Santonin
 Theobromine.

Hormones

Cortisone.
 Hydrocortisone.
 Ethinyl Oestradiol.
 Methyltestosterone.
 Oestradiol.
 Progesterone.
 Prednisone.
 Testosterone, Etc.

LAKE & CRUICKSHANK LTD.

MANUFACTURING CHEMISTS

NORTH BRIDGE ROAD - BERKHAMSTED - HERTS

Phone: Berkhamsted 1880/1/2

Cables: Lake Berkhamsted